

LSPI SURVEILLANCE PANEL MINUTES

Date: 20 Nov 18

ATTENDEES

SWRI	Khaled Rais, Cole Hudson, Pat Lang, Christine Eickstead
INTERTEK	Al Lopez (later in meeting)
AFTON	Christian Porter
LUBRIZOL	George Szappanos
INFINEUM	Doyle Boese
FORD	Ron Romano
APL	Tim Hadaway

Item 1 Reference Oil 224 Introduction

20 Nov 18	Discussion	Two donated tests per stand <ul style="list-style-type: none"> ▪ Run reference. If successful, run donated test ▪ Reference period extended by 1 test (6 total tests) ▪ Send scheduling request to Rich for oil assignment ▪ Min 10 runs, potentially 12 for matrix (Doyle)
		Intertek – complete SwRI – not started, Dec – Jan depending on candidate queue Lubrizol – not started (George will let the group know timeline when available)
		Will run oil 222 in the meantime Current 222 Inventory: 4 at Intertek, 4 at SwRI, 1 at Lubrizol, 4 at TMC (22 gal)
		Results of Intertek’s runs (3 of 4 reported): 2.25, 4.5, 7 Target = 5?
	Actions	SwRI to communicate timeline for 224 runs to group Lubrizol to communicate timeline for 224 runs to group Intertek to report results of 4 th run

Matrix Status:

Lab	LTMS App	Run 1	Run 2
SwRI	1		
	2		
	3		
IAR	1	7	4.5
	2	4.5	2.25
Lubrizol	1		

Item 2 Procedure

20 Nov 18	Update	Terry has reviewed the draft procedure and made suggestions.
	Action	Christine will work one-on-one with Terry to implement needed changes/additions Christine will provide update on progress at each meeting.
	Discussion	Final draft from SP due by end of Jan

Item 3		Piston Order
20 Nov 18	Discussion	Have all labs placed piston order? Is there anything we need to do to finalize the order? <ul style="list-style-type: none"> ▪ Adjust amounts based on minimum order requirements?
	Update	Ron: all orders have been submitted, order being placed with supplier, no timeline yet Goal = end of 1 st qtr 2019
	Discussion	Al Lopez (Intertek) joined meeting: ship by boat vs. air freight?
	Action	Ron working with TEI and the supplier to work out freight details. Will report back at next meeting.

Item 4		Driveshaft Spec.
20 Nov 18	Discussion	Lubrizol has requested the driveshaft specification be reviewed and modified to accommodate shorter driveshaft. Previous development data and experience indicates stiffness may be important, but current specification limits length only, which does a poor job of controlling driveshaft stiffness. Lubrizol has a driveshaft which is shorter, but has identical stiffness to the specified driveshaft. Lubrizol has driveshaft 3.2 in shorter than spec (spec = 23.5 in), same stiffness A discussion took place around that fact that we are all using the stock clutch which has the torsional dampening springs. This is likely to negate any potential differences associated with this small change in driveshaft length.
	Action	Lubrizol to attempt reference runs with shorter driveshaft and present data to SP
	Action	SP to amend driveshaft specification to specify stiffness in addition to length. Length specification may be widened based on results of Lubrizol's testing.
	Action	George will send PN to Khaled