



OIL REPORT

LAB NUMBER: L51799
 REPORT DATE: 8/30/2019
 CODE: 1/598

UNIT ID: 18824
 CLIENT ID: XXXXXXXXXX
 PAYMENT: CC: Visa (Bulk)

UNIT	MAKE/MODEL: Ford 3.7L V-6 Duratec	OIL TYPE & GRADE: Synthetic 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,000 Miles
	ADDITIONAL INFO: 2017 Interceptor, XXXXXXXXXX	

CLIENT	R. CUMMINS	PHONE: (844)-28-9-7791
	HUBB FILTERS, INC - CALIFORNIA	FAX:
	233 TAMALPAIS DR	ALT PHONE:
	STE B	EMAIL: rcummins@hubbfilters.com
	CORTE MADERA, CA 94925	

COMMENTS
 R. CUMMINS: This is a nice report. The wear numbers are all in good shape compared to averages and iron is better than last time. It's actually lower, yes, but also lower on a per-mile basis when you consider that this oil run was longer than the last. No contamination turned up, the TBN was fine at 2.4, and the oil itself was not heavily oxidized, as indicated by the low insolubles reading. Nice report. This oil could run another 2,000 miles, if you wanted. Hubb filter 3302.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,000	UNIT / LOCATION AVERAGES	2,004	4,106	UNIVERSAL AVERAGES
	MI/HR on Unit			28,248	26,244	
	Sample Date	8/19/2019		4/17/2019	3/13/2019	
	Make Up Oil Added	0 qts		1 qt	0 qts	
ALUMINUM	6	4	6	5	4	
CHROMIUM	1	0	0	0	0	
IRON	15	10	16	14	12	
COPPER	2	9	3	3	26	
LEAD	0	0	0	0	1	
TIN	2	0	0	0	0	
MOLYBDENUM	0	29	1	1	70	
NICKEL	0	0	1	0	0	
MANGANESE	2	2	2	1	7	
SILVER	0	0	0	0	0	
TITANIUM	1	0	0	0	2	
POTASSIUM	2	2	3	1	2	
BORON	2	9	2	2	45	
SILICON	15	13	12	10	17	
SODIUM	19	10	25	22	44	
CALCIUM	1163	1955	1131	1284	1819	
MAGNESIUM	834	261	759	856	254	
PHOSPHORUS	755	709	691	768	694	
ZINC	843	810	781	893	798	
BARIUM	0	0	0	0	1	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	56.9	56-63	57.7	58.3
	cSt Viscosity @ 100°C	9.32	9.1-11.3	9.56	9.73
	Flashpoint in °F	395	>385	390	395
	Fuel %	<0.5	<2.0	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0
	Water %	0.0	0.0	0.0	0.0
	Insolubles %	0.2	<0.6	0.2	0.2
	TBN	2.4	>1.0	2.9	2.5
	TAN				
	ISO Code				

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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