

OIL ANALYSIS REPORT

Sample Rating Trend





(61800Z) S0916A-Suamico **MACK 920110**

Component Front Center Diesel Engine

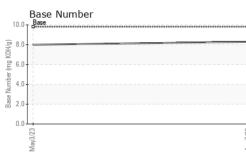
PETRO CANADA DURON SHP 15W40 (42 QTS)

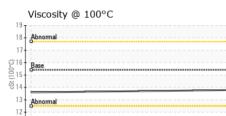
AGNOSIS	SAMPLE INFOR	<u>RMATION</u>	method				history2
ommendation	Sample Number		Client Info		GFL0074835	GFL0074818	
ample at the next service interval to monitor.	Sample Date		Client Info		07 Aug 2023	03 May 2023	
r	Machine Age	hrs	Client Info		7804	7381	
pmponent wear rates are normal.	Oil Age	hrs	Client Info		423	581	
	Oil Changed		Client Info		Changed	Changed	
Contamination here is no indication of any contamination in the il. Iuid Condition he BN result indicates that there is suitable lkalinity remaining in the oil. The condition of the il is suitable for further service.	Sample Status				NORMAL	NORMAL	
	CONTAMINA		method	limit/base		history1	history2
	Fuel		WC Method			<1.0	
				>3.0	<1.0		
	Glycol		WC Method		NEG	NEG	
	WEAR METAL	S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>120	11	11	
	Chromium	ppm	ASTM D5185m	>20	<1	<1	
	Nickel	ppm	ASTM D5185m	>5	0	<1	
	Titanium	ppm	ASTM D5185m	>2	0	0	
	Silver	ppm	ASTM D5185m	>2	0	<1	
	Aluminum	ppm	ASTM D5185m	>20	3	2	
	Lead	ppm	ASTM D5185m	>40	0	<1	
	Copper	ppm	ASTM D5185m	>330	<1	0	
	Tin	ppm	ASTM D5185m	>15	<1	1	
	Vanadium	ppm	ASTM D5185m		0	0	
	Cadmium	ppm	ASTM D5185m		0	0	
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	8	15	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		61	64	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m		972	974	
	Calcium	ppm	ASTM D5185m		1193	1186	
	Phosphorus	ppm	ASTM D5185m		1019	1041	
	Zinc	ppm	ASTM D5185m		1276	1307	
	Sulfur	ppm	ASTM D5185m	2060	3566	3719	
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	4	4	
	Sodium	ppm	ASTM D5185m		2	2	
	Potassium	ppm	ASTM D5185m	>20	0	2	
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.5	0.6	
	Nitration	Abs/cm	*ASTM D7624	>20	7.2	8.1	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	20.1	
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.1	15.5	
			ASTM D2896		8.3	8.0	

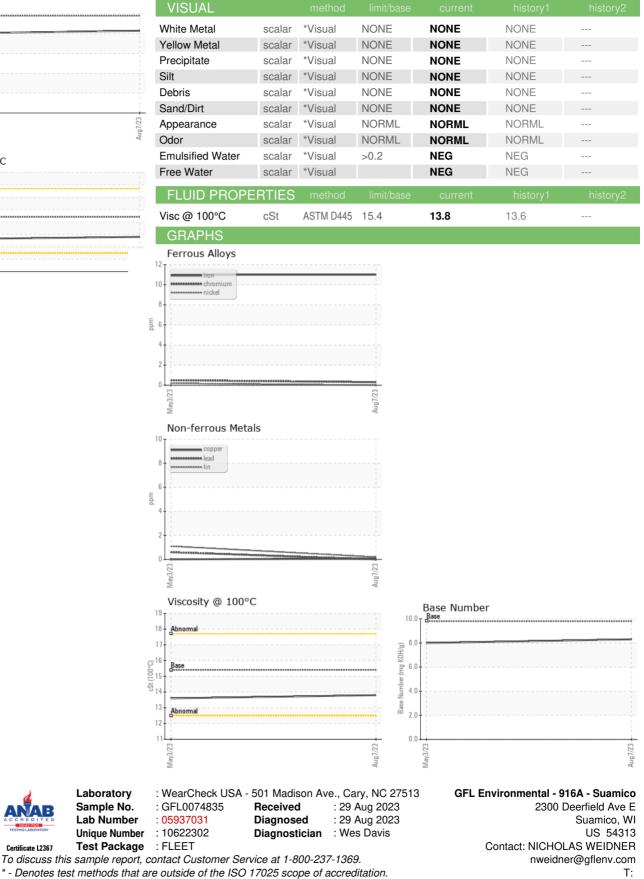


11 Mav3/23

OIL ANALYSIS REPORT







Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

Submitted By: NICHOLAS WEIDNER

Page 2 of 2

F: