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OIL ANALYSIS REPORT

Sample Rating Trend



(TS53615) S0916A-Suamico **MACK 523066** Component Front Center Diesel Engine

Fluid

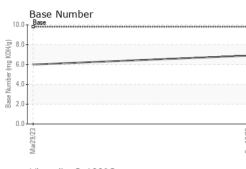
PETRO CANADA DURON SHP 15W40 (44 QTS)

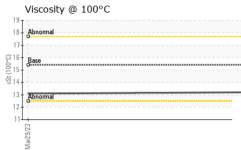
DIAGNOSIS	SAMPLE INFOR		method	limit/base	ourropt	history1	history2
				- minubase			
Recommendation	Sample Number		Client Info		GFL0074848	GFL0074803	
Resample at the next service interval to monitor.	Sample Date		Client Info		12 Sep 2023	29 Mar 2023	
Wear	Machine Age	hrs	Client Info		21716	21168	
All component wear rates are normal.	Oil Age	hrs	Client Info		548	631	
Contamination	Oil Changed		Client Info		Changed	Changed	
There is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	
oil.	CONTAMINAT	ION	method	limit/base	current	history1	history2
Fluid Condition The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Fuel		WC Method	>3.0	<1.0	<1.0	
	Glycol		WC Method		NEG	NEG	
	WEAR METAL	S	method	limit/base	current	history1	history2
	Iron		ASTM D5185m		11	14	
	Chromium	ppm	ASTM D5185m		<1	<1	
	Nickel	ppm	ASTM D5185m		2	<1	
	Titanium	ppm	ASTM D5185m		2 <1	0	
	Silver	ppm	ASTM D5185m		<1	0	
	Aluminum	ppm ppm	ASTM D5185m		2	<1	
	Lead		ASTM D5185m		2	2	
	Copper	ppm ppm	ASTM D5185m		1	<1	
	Tin	ppm	ASTM D5185m		2	<1	
	Vanadium	ppm	ASTM D5185m	210	0	0	
	Cadmium	ppm	ASTM D5185m		۰ <1	0	
		PP		Provid Newson			
	ADDITIVES		method	limit/base		history1	history2
	Boron	ppm	ASTM D5185m		7	8	
	Barium	ppm	ASTM D5185m		44	0	
	Molybdenum	ppm	ASTM D5185m		57	67	
	Manganese	ppm	ASTM D5185m		1	<1	
	Magnesium	ppm	ASTM D5185m		815	905	
	Calcium	ppm	ASTM D5185m		1079	1121	
	Phosphorus	ppm	ASTM D5185m		883	962	
	Zinc	ppm	ASTM D5185m		1106	1203	
	Sulfur	ppm	ASTM D5185m	2060	3052	2759	
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	10	10	
	Sodium	ppm	ASTM D5185m		11	13	
	Potassium	ppm	ASTM D5185m	>20	4	1	
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.2	0.2	
	Nitration	Abs/cm	*ASTM D7624		9.1	9.4	
	Sulfation	Abs/.1mm	*ASTM D7415		18.7	21.0	
	FLUID DEGRA		method	limit/base	current	history1	history2
	Ovidation	Abo/ tom-	*ACTM D744 4	. OF	150	177	
	Oxidation Base Number (BN)		*ASTM D7414		15.2 6.9	17.7 6.0	

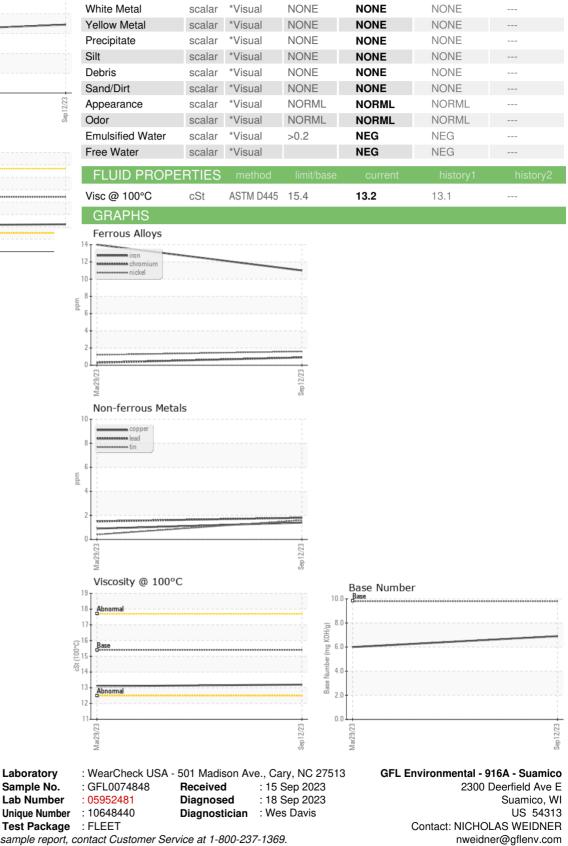


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VISUAL







 Certificate L2367
 Test Package
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 To discuss this sample report, contact Customer Service at 1-800-237-1369.
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 Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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