

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 912019 Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (36 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a components first oil change.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

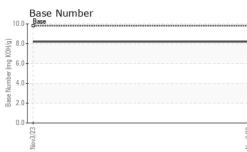
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

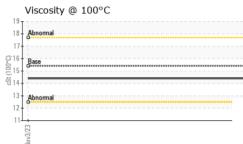
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0059173		
Sample Date		Client Info		03 Nov 2023		
Machine Age	hrs	Client Info		3601		
Oil Age	hrs	Client Info		3601		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Glycol		WC Method		NEG		
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	26		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m	>2	0		
Silver		ASTM D5185m	>2	0		
	ppm			-		
Aluminum	ppm	ASTM D5185m	>20	7		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	2		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	6		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	65		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	1033		
Calcium	ppm	ASTM D5185m	1070	1163		
Phosphorus	ppm			1105		
	ppin	ASTM D5185m	1150	1050		
Zinc	ppm	ASTM D5185m ASTM D5185m	1150 1270			
				1050		
	ppm ppm	ASTM D5185m	1270	1050 1409		
Sulfur CONTAMINAN	ppm ppm	ASTM D5185m ASTM D5185m	1270 2060 limit/base	1050 1409 2974		
Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm TS	ASTM D5185m ASTM D5185m method	1270 2060 limit/base	1050 1409 2974 current		
Sulfur CONTAMINAN Silicon Sodium	ppm ppm TS ppm	ASTM D5185m ASTM D5185m method ASTM D5185m	1270 2060 limit/base >25	1050 1409 2974 current 6	 history1	 history2
Sulfur CONTAMINAN Silicon Sodium	ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m	1270 2060 limit/base >25	1050 1409 2974 current 6 1	 history1	 history2
Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED	ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m	1270 2060 limit/base >25 >20	1050 1409 2974 current 6 1 1 1 current	 history1 	 history2
Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm TS ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844	1270 2060 limit/base >25 >20 limit/base	1050 1409 2974 current 6 1 1 1 current 1.5	 history1 history1	 history2
Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm TS ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method	1270 2060 limit/base >25 >20 limit/base >4	1050 1409 2974 current 6 1 1 1 current	 history1 history1 	 history2 history2
Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm TS ppm ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624	1270 2060 imit/base >25 >20 imit/base >20 20	1050 1409 2974 current 6 1 1 1 current 1.5 12.9	 history1 history1 	 history2 history2 history2
Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm TS ppm ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7844 *ASTM D7824 *ASTM D7624	1270 2060 limit/base >25 >20 limit/base >4 >20 >30	1050 1409 2974 current 6 1 1 1 .5 12.9 24.3	 history1 history1 history1 	 history2 history2

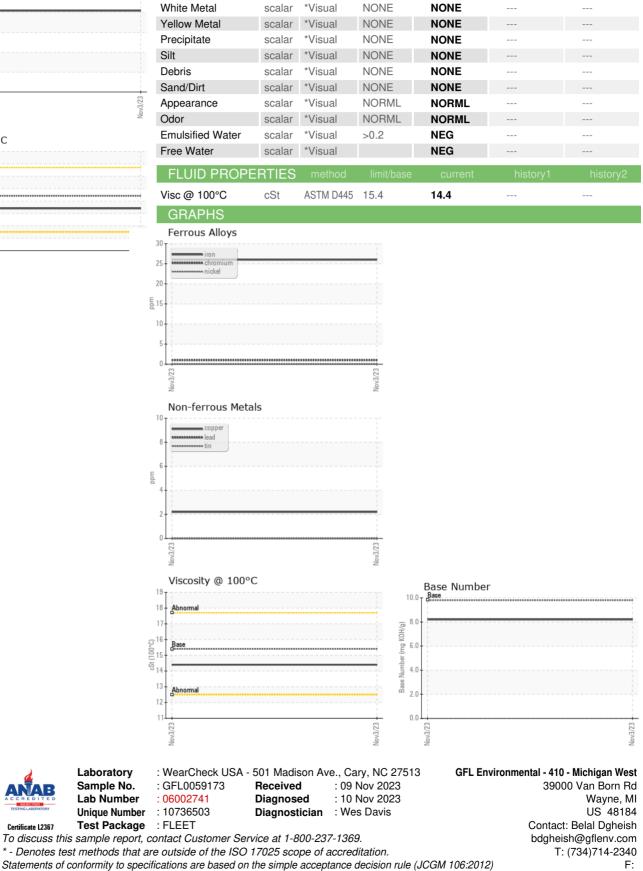


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VISUAL







Certificate L2367