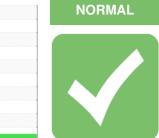


OIL ANALYSIS REPORT

Sample Rating Trend





WL0424 Component Diesel Engine Fluid

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0100613	GFL0077021	
Sample Date		Client Info		12 May 2024	09 Aug 2023	
Machine Age	kms	Client Info		6447	5470	
Oil Age	kms	Client Info		1000	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ABNORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	1.6	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	0.0	
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	36	37	
Chromium	ppm	ASTM D5185(m)	>20	2	2	
Nickel	ppm	ASTM D5185(m)	>2	0	<1	
Titanium	ppm	ASTM D5185(m)	>2	0	<1	
Silver	ppm	ASTM D5185(m)	>2	0	0	
Aluminum	ppm	ASTM D5185(m)	>25	35	27	
Lead		ASTM D5185(m)	>40	<1	4	
Copper	ppm ppm	ASTM D5185(m)	>330	33	170	
Tin		ASTM D5185(m)	>330	0	0	
Antimony	ppm	ASTM D5185(m)	>15	0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
	ppm	ASTM D5185(m)		0	0	
Beryllium Cadmium	ppm	ASTM D5185(m) ASTM D5185(m)		0	0	
ADDITIVES	ppm	method	limit/base	current	history1	history2
						· · · · ·
Boron	ppm	ASTM D5185(m)	0	2	17	
Barium	ppm	ASTM D5185(m)	0	0	0	
Molybdenum	ppm	ASTM D5185(m)	60	62	57	
Manganese	ppm	ASTM D5185(m)		<1	<1	
Magnesium	ppm	ASTM D5185(m)	1010	857	546	
Calcium	ppm	ASTM D5185(m)	1070	1145	1576	
Phosphorus	ppm	ASTM D5185(m)	1150	808	854	
Zinc	ppm	ASTM D5185(m)	1270	1086	1014	
Sulfur	ppm	ASTM D5185(m)	2060	2408	2304	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	7	
Sodium	ppm	ASTM D5185(m)		18	41	
Potassium	ppm	ASTM D5185(m)	>20	4	7	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.6	0.4	
Nitration	Abs/cm	ASTM D7624*	>20	10.8	11.3	
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.3	24.5	



Abnormal

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Abnorm

Abs

FT-IR (Direct Trend)

Oxidation

Nitration Sulfation

Viscosity @ 100°C

OIL ANALYSIS REPORT



To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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