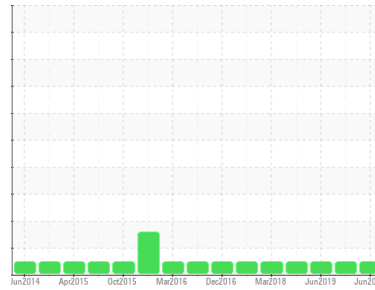




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

7899

Component

Natural Gas Engine

Fluid

PETRO CANADA DURON GEO LD 15W40 (24 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

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 INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	GFL0100773	PC0021812	PC0013745	
Sample Date	Client Info	11 Jun 2024	19 Jan 2020	19 Jun 2019	
Machine Age	hrs	Client Info	232490	15567	0
Oil Age	hrs	Client Info	0	1200	0
Oil Changed	Client Info	Changed	Changed	Changed	
Sample Status		NORMAL	NORMAL	NORMAL	

CONTAMINATION

method	limit/base	current	history1	history2	
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185(m)	>50	12	11	10
Chromium	ppm	ASTM D5185(m)	>4	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>9	1	1	2
Lead	ppm	ASTM D5185(m)	>30	0	<1	<1
Copper	ppm	ASTM D5185(m)	>35	2	2	5
Tin	ppm	ASTM D5185(m)	>4	0	0	0
Antimony	ppm	ASTM D5185(m)		0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185(m)	50	14	7	17
Barium	ppm	ASTM D5185(m)	5	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	53	54	99
Manganese	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	560	561	519	172
Calcium	ppm	ASTM D5185(m)	1510	1634	1544	1892
Phosphorus	ppm	ASTM D5185(m)	780	713	676	681
Zinc	ppm	ASTM D5185(m)	870	926	902	853
Sulfur	ppm	ASTM D5185(m)	2040	1952	1976	2202
Lithium	ppm	ASTM D5185(m)		<1	<1	0

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185(m)	>+100	7	3	3
Sodium	ppm	ASTM D5185(m)		4	7	5
Potassium	ppm	ASTM D5185(m)	>20	4	<1	<1

INFRA-RED

method	limit/base	current	history1	history2		
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	11.0	11.3	7.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.8	25.6	20.0

FLUID DEGRADATION

method	limit/base	current	history1	history2		
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.9	17.3	11.7

