

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

3746C AUTOCAR ISL

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (48 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

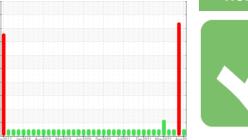
All component wear rates are normal.

Contamination

Test for glycol is negative. 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 INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0089270	GFL0056505	GFL0052516
Sample Date		Client Info		30 Aug 2023	10 Nov 2022	22 Jul 2022
Machine Age	hrs	Client Info		18382	16048	15058
Oil Age	hrs	Client Info		2334	1466	476
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	SEVERE	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	19	18	18
Chromium	ppm	ASTM D5185m	>4	1	2	1
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>9	2	2	3
Lead	ppm	ASTM D5185m	>30	0	4	<1
Copper	ppm	ASTM D5185m	>35	2	3	<1
Tin	ppm	ASTM D5185m	>4	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	0	35	16
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	49	67	52
Manganese	ppm	ASTM D5185m	0	1	1	<1
Magnesium	ppm	ASTM D5185m	560	533	576	533
Calcium	ppm	ASTM D5185m	1510	1571	1637	1620
Phosphorus	ppm	ASTM D5185m	780	684	795	717
Zinc	ppm	ASTM D5185m	870	933	891	958
Sulfur	ppm	ASTM D5185m	2040	2524	3015	2590
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	18	18	9
Sodium	ppm	ASTM D5185m		7	4 41	5
Potassium	ppm	ASTM D5185m	>20	0	A 381	1
Glycol	%	*ASTM D2982		0.0	0.10	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	10.4	10.3	11.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9	21.2	22.5
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.7	17.4	19.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	4.7	11.1	6.7
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