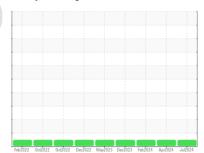


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

945009-260265

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (28 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

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.

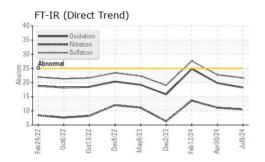
(28 QTS) Feb 2022 Oct 2022 Oct 2022 Oct 2022 May 2023 Feb 2024 April 2024 Juli 2024								
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		GFL0121830	GFL0106858	GFL0106816		
Sample Date		Client Info		09 Jul 2024	30 Apr 2024	12 Feb 2024		
Machine Age	hrs	Client Info		1148	546	12153		
Oil Age	hrs	Client Info		600	17317	0		
Oil Changed		Client Info		Changed	Changed	Changed		
Sample Status				NORMAL	NORMAL	NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2		
Water		WC Method	>0.1	NEG	NEG	NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>50	7	11	28		
Chromium	ppm	ASTM D5185m	>4	<1	<1	1		
Nickel	ppm	ASTM D5185m	>2	<1	<1	1		
Titanium	ppm	ASTM D5185m		<1	<1	0		
Silver	ppm	ASTM D5185m	>3	0	0	0		
Aluminum	ppm	ASTM D5185m	>9	3	3	6		
Lead	ppm	ASTM D5185m	>30	0	1	7		
Copper	ppm	ASTM D5185m	>35	1	2	3		
Tin	ppm	ASTM D5185m	>4	<1	<1	2		
Vanadium	ppm	ASTM D5185m		<1	0	0		
Cadmium	ppm	ASTM D5185m		0	0	0		
ADDITIVES		method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	50	5	7	9		
Barium	ppm	ASTM D5185m	5	0	0	0		
Molybdenum	ppm	ASTM D5185m	50	52	51	56		
Manganese	ppm	ASTM D5185m	0	0	<1	2		
Magnesium	ppm	ASTM D5185m	560	546	539	646		
Calcium	ppm	ASTM D5185m	1510	1670	1604	1647		
Phosphorus	ppm	ASTM D5185m	780	752	772	837		
Zinc	ppm	ASTM D5185m	870	951	974	1026		
Sulfur	ppm	ASTM D5185m	2040	2273	2561	2481		
CONTAMINAN	ITS	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>+100	3	4	8		
Sodium	ppm	ASTM D5185m		7	7	12		
Potassium	ppm	ASTM D5185m	>20	2	2	<1		
INFRA-RED		method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844		0	0	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	10.5	11.1	13.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.6	22.7	27.6		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2		
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.2	19.8	24.8		

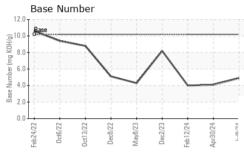
4.9

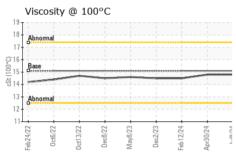
Base Number (BN) mg KOH/g ASTM D2896 10.2

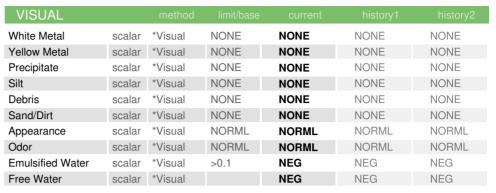


OIL ANALYSIS REPORT



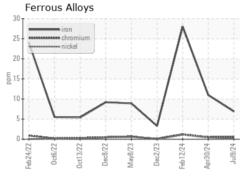


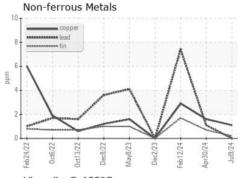


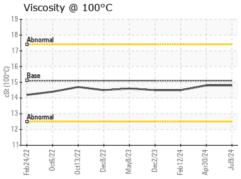


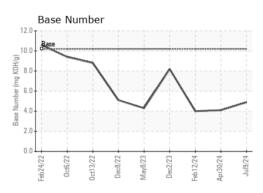
FLUID PROPE	:RHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.8	14.8	14.5

GRAPHS













Certificate 12367

Sample No.

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0121830 Lab Number : 06234677 Unique Number : 11123511

Test Package : FLEET

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received : 12 Jul 2024 **Tested** : 15 Jul 2024 Diagnosed

: 15 Jul 2024 - Wes Davis

GFL Environmental - 856 - Houston South 8515 Highway 6 South Houston, TX US 77083

Contact: Apolinar Zacarias pzacariascano@gflenv.com

 st - 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) T:

F: