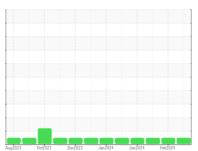


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id
834048
Component
Diesel Engine

PETRO CANADA DURON GEO LD 15W40 (--- GAL)

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

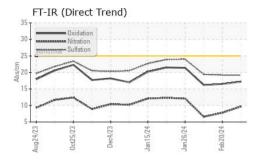
Fluid Condition

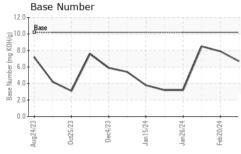
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

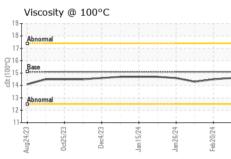
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0114142	GFL0108069	GFL0108114	
Sample Date		Client Info		08 Mar 2024	20 Feb 2024	30 Jan 2024	
Machine Age	hrs	Client Info		1520	1388	1241	
Oil Age	hrs	Client Info		299	167	0	
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2	
Fuel		WC Method	>5	<1.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	NEG	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2	
Iron		ASTM D5185m	>80	8	0	6	
	ppm	ASTM D5185m		o <1	<1	<1	
Chromium Nickel	ppm		>5	<1 <1	0	<1	
	ppm	ASTM D5185m	>2				
Titanium	ppm	ASTM D5185m	0	0	0	<1	
Silver	ppm	ASTM D5185m	>3	0	0	0	
Aluminum	ppm	ASTM D5185m		2	2	2	
Lead	ppm	ASTM D5185m	>30	<1	1	<1	
Copper	ppm		>150	1	<1	2	
Tin	ppm	ASTM D5185m	>5	<1	0	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	0	
Cadmium	ppm	ASTM D5185m		0	0	<1	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	50	18	34	46	
Barium	ppm	ASTM D5185m	5	0	0	13	
Molybdenum	ppm	ASTM D5185m	50	48	49	51	
Manganese	ppm	ASTM D5185m	0	<1	<1	1	
Magnesium	ppm	ASTM D5185m	560	545	586	554	
Calcium	ppm	ASTM D5185m	1510	1615	1654	1455	
Phosphorus	ppm	ASTM D5185m	780	774	809	715	
Zinc	ppm	ASTM D5185m	870	909	967	928	
Sulfur	ppm	ASTM D5185m	2040	2690	2352	2435	
CONTAMINAN	TS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>20	5	5	6	
Sodium	ppm	ASTM D5185m		7	6	0	
Potassium	ppm	ASTM D5185m	>20	17	2	2	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0	0	0	
Nitration	Abs/cm	*ASTM D7624	>20	9.7	7.8	6.6	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.2	19.2	19.4	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.2	16.5	16.2	
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	6.7	7.9	8.5	
. ,							

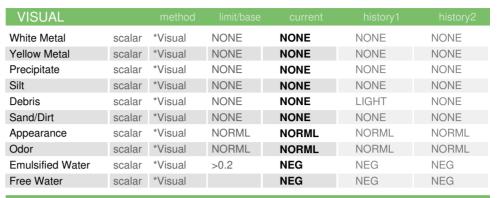


OIL ANALYSIS REPORT



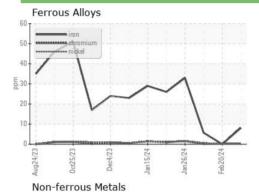


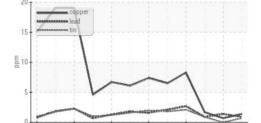


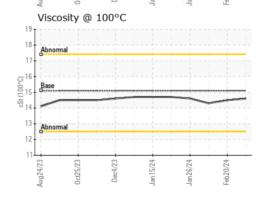


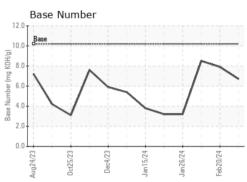
FLUID PROF	PERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.6	14.5	14.3

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0114142 Lab Number : 06150927 Unique Number : 10981005 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Apr 2024 **Tested** : 17 Apr 2024

Diagnosed : 17 Apr 2024 - Wes Davis

GFL Environmental - 837 - Harrison TS

22820 S State Route 291 Harrisonville, MO

US 64701 Contact: SARA PATRICK spatrick@gflenv.com

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