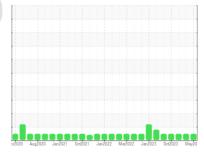


OIL ANALYSIS REPORT

Sample Rating Trend







(EIH079)
Machine Id
910008
Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (11 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

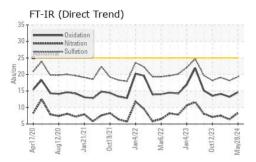
Fluid Condition

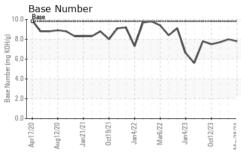
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

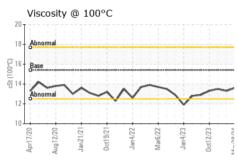
GAL)		312020 Aug20	020 Jan2021 0ct2021	Jan 2022 Mar 2022 Jan 2023 Oct	2023 May20.				
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0114545	GFL0103412	GFL0092460			
Sample Date		Client Info		28 May 2024	14 Feb 2024	08 Nov 2023			
Machine Age	hrs	Client Info		10466	10248	13052			
Oil Age	hrs	Client Info		387	220	564			
Oil Changed		Client Info		Not Changd	Not Changd	Changed			
Sample Status				NORMAL	NORMAL	NORMAL			
CONTAMINAT	ION	method	limit/base	current	history1	history2			
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0			
Water		WC Method	>0.2	NEG	NEG	NEG			
Glycol		WC Method		NEG	NEG	NEG			
WEAR METAL	S	method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>90	15	8	7			
Chromium	ppm	ASTM D5185m	>20	1	<1	<1			
Nickel	ppm	ASTM D5185m	>2	0	0	0			
Titanium	ppm	ASTM D5185m	>2	<1	<1	0			
Silver	ppm	ASTM D5185m	>2	0	0	0			
Aluminum	ppm	ASTM D5185m	>20	2	1	1			
Lead	ppm	ASTM D5185m	>40	<1	0	0			
Copper	ppm	ASTM D5185m	>330	<1	<1	0			
Tin	ppm	ASTM D5185m	>15	<1	<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	0	7	9	4			
Barium	ppm	ASTM D5185m	0	<1	0	0			
Molybdenum	ppm	ASTM D5185m	60	64	56	56			
Manganese	ppm	ASTM D5185m	0	<1	0	0			
Magnesium	ppm	ASTM D5185m	1010	899	852	937			
Calcium	ppm	ASTM D5185m	1070	1062	945	999			
Phosphorus	ppm	ASTM D5185m	1150	1112	911	1001			
Zinc	ppm	ASTM D5185m	1270	1211	1107	1243			
Sulfur	ppm	ASTM D5185m	2060	3294	2822	2908			
CONTAMINAN	ITS	method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>25	4	3	3			
Sodium	ppm	ASTM D5185m		3	2	2			
Potassium	ppm	ASTM D5185m	>20	3	1	2			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>6	0.5	0.4	0.5			
Nitration	Abs/cm	*ASTM D7624	>20	8.3	6.4	7.5			
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	18.1	19.1			
FLUID DEGRADATION method limit/base current history1 history2									
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.6	13.2	14.1			
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.8	8.0	7.7			
,									

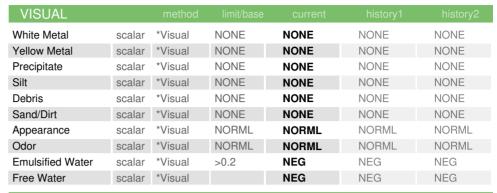


OIL ANALYSIS REPORT



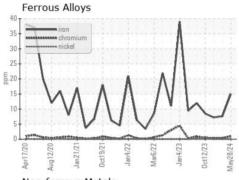


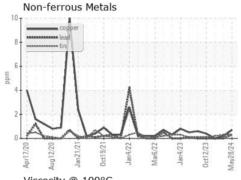


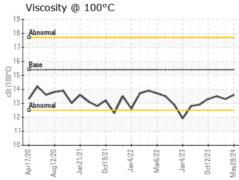


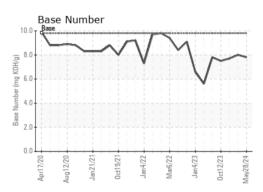
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.6	13.3	13.5

GRAPHS













Laboratory Sample No.

: GFL0114545 Lab Number : 06196322 Unique Number : 11058445

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 31 May 2024 **Tested** : 03 Jun 2024

Diagnosed : 03 Jun 2024 - Wes Davis

GFL Environmental - 095 - Atlanta West

2699 Cochran Industrial Blvd Douglasville, GA US 30127-1332 Contact: Darrell Welch

darrell.welch@gflenv.com T: (800)207-6618

Test Package : FLEET Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 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)