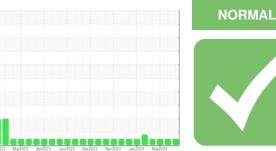


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id
913005
Component
Diesel Engine
Fluid

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil

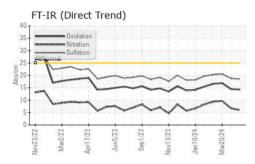
Fluid Condition

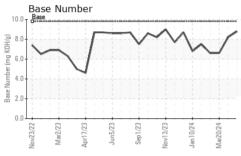
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

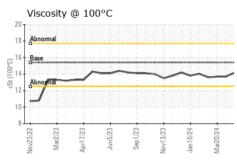
514 GIII 101140 (,								
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0110624	GFL0110624	GFL0110577			
Sample Date		Client Info		15 Apr 2024	11 Apr 2024	20 Mar 2024			
Machine Age	hrs	Client Info		54546	4552	47098			
Oil Age	hrs	Client Info		7448	400	45455			
Oil Changed		Client Info		N/A	Not Changd	Changed			
Sample Status				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	>120	6	6	24			
Chromium	ppm	ASTM D5185m	>20	1	1	2			
Nickel	ppm	ASTM D5185m	>5	3	1	16			
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1			
Silver	ppm	ASTM D5185m	>2	<1	<1	<1			
Aluminum	ppm	ASTM D5185m	>20	1	1	2			
Lead	ppm	ASTM D5185m	>40	1	2	1			
Copper	ppm	ASTM D5185m	>330	2	2	14			
Tin	ppm	ASTM D5185m	>15	2	1	2			
Vanadium	ppm	ASTM D5185m		<1	<1	<1			
Cadmium	ppm	ASTM D5185m		1	<1	<1			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	0	0	4	<1			
Barium	ppm	ASTM D5185m	0	0	0	1			
Molybdenum	ppm	ASTM D5185m	60	60	61	64			
Manganese	ppm	ASTM D5185m	0	1	1	1			
Magnesium	ppm	ASTM D5185m	1010	935	926	942			
Calcium	ppm	ASTM D5185m	1070	1077	1079	1093			
Phosphorus	ppm	ASTM D5185m	1150	1106	1117	916			
Zinc	ppm	ASTM D5185m	1270	1207	1217	1187			
Sulfur	ppm	ASTM D5185m	2060	3458	3453	2465			
CONTAMINAN	ITS	method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>25	4	9	7			
Sodium	ppm	ASTM D5185m		2	2	2			
Potassium	ppm	ASTM D5185m	>20	2	1	6			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>4	0.3	0.3	1			
Nitration	Abs/cm	*ASTM D7624	>20	6.0	6.7	9.7			
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	18.8	20.6			
FLUID DEGRADATION method limit/base current history1 history2									
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.3	14.5	16.9			
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.8	8.2	6.6			
(=14)	39								

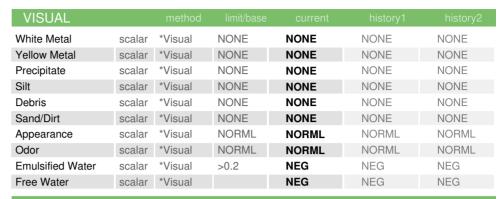


OIL ANALYSIS REPORT



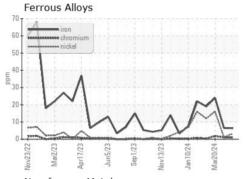




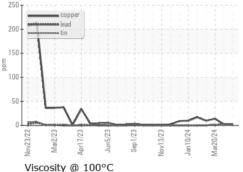


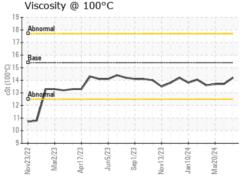
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.2	13.7	13.7

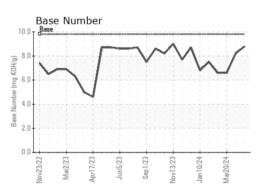
GRAPHS















Certificate 12367

Laboratory Sample No.

Lab Number : 06152737 Unique Number : 10982815

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0110624

Received : 18 Apr 2024 **Tested** Diagnosed

: 18 Apr 2024 : 18 Apr 2024 - Wes Davis

GFL Environmental - 166 - Phenix City 18 Old Brickyard Rd Phenix City, AL

US 36869 Contact: DEAN PEACE JR dean.peace@gflenv.com

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)

T:

F: