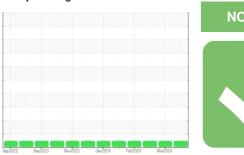


OIL ANALYSIS REPORT

Sample Rating Trend







Mac 1 Com Die Fluic PE

Machine Id
196M
Component
Diesel Engine
Fluid

PETRO CANADA DURON SHP 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

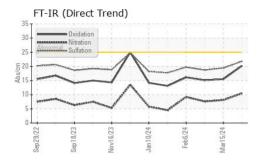
Fluid Condition

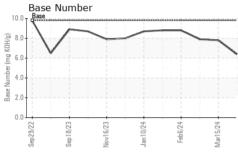
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

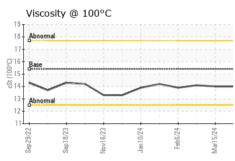
SAMPLE INFORM	ΔΤΙΩΝ	method	limit/base	current	history1	history2
	AHON		IIIIIII Dase	GFL0104409	GFL0104310	
Sample Number Sample Date		Client Info		02 Apr 2024	15 Mar 2024	GFL0104329 04 Mar 2024
	hrs	Client Info		12714	12686	12608
-	hrs	Client Info		300	600	600
Oil Age Oil Changed	1115	Client Info		Changed	Changed	Changed
Sample Status		Ciletit iiiio		NORMAL	NORMAL	NORMAL
<u> </u>	2 N I		11 11 11			
CONTAMINATIO	JN	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
	ppm	ASTM D5185m	>80	23	26	15
Chromium	ppm	ASTM D5185m	>5	2	3	2
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>30	2	25	17
Lead	ppm	ASTM D5185m	>30	<1	0	0
Copper	ppm	ASTM D5185m	>150	2	6	1
Tin	ppm		>5	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	1	<1	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	64	60	57
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	1010	971	950	923
Calcium	ppm	ASTM D5185m	1070	1082	1130	1002
Phosphorus	ppm	ASTM D5185m	1150	995	1028	1007
Zinc	ppm	ASTM D5185m	1270	1264	1286	1191
Sulfur	ppm	ASTM D5185m	2060	2839	3145	2705
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm		>20	6	14	4
Sodium	ppm	ASTM D5185m		6	2	2
Potassium	ppm	ASTM D5185m	>20	2	35	25
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.6	0.5
Nitration	Abs/cm	*ASTM D7624	>20	10.5	8.1	7.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.8	19.4	18.7
FLUID DEGRAD	MOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.2	15.5	15.1
	mg KOH/g	ASTM D2896	9.8	6.4	7.8	7.9
()	3			-		

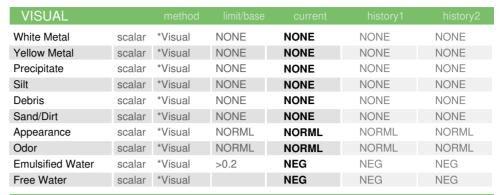


OIL ANALYSIS REPORT



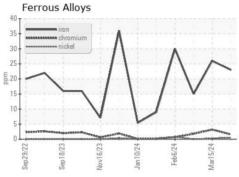


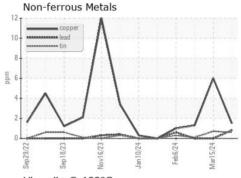


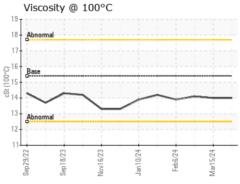


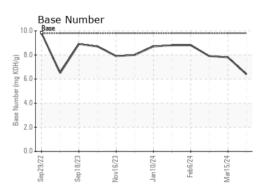
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.0	14.0	14.1

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0104409 Lab Number : 06140942 Unique Number : 10965750 Test Package : FLEET

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Apr 2024 **Tested** : 08 Apr 2024 Diagnosed

: 08 Apr 2024 - Wes Davis

GFL Environmental - 410 - Michigan West

39000 Van Born Rd Wayne, MI US 48184

Contact: Belal Dgheish bdgheish@gflenv.com T: (734)714-2340

* - 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)