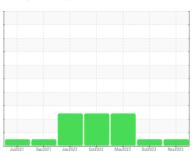


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id
492M
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

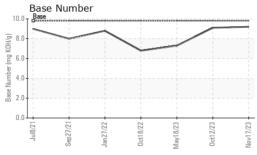
Fluid Condition

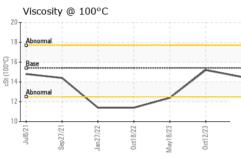
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0101558	GFL0093126	GFL0081372
Sample Date		Client Info		17 Nov 2023	12 Oct 2023	18 May 2023
Machine Age	hrs	Client Info		26990	26901	25986
Oil Age	hrs	Client Info		26901	25986	24815
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	SEVERE
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	0.9	1 0.7
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	30	10	17
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	3	4
Lead	ppm	ASTM D5185m	>40	<1	<1	3
Copper	ppm	ASTM D5185m	>330	2	<1	0
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	5	4
Barium	ppm	ASTM D5185m	0	9	0	0
Molybdenum	ppm	ASTM D5185m	60	65	65	60
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	970	1037	935
Calcium	ppm	ASTM D5185m	1070	1156	1187	1064
Phosphorus	ppm	ASTM D5185m	1150	1069	1019	1020
Zinc	ppm	ASTM D5185m	1270	1275	1382	1307
Sulfur	ppm	ASTM D5185m	2060	3147	3047	3423
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	4	5
Sodium	ppm	ASTM D5185m		1	2	17
Potassium	ppm	ASTM D5185m	>20	3	<1	2
		method	limit/base	current	history1	history2
INFRA-RED						
	%	*ASTM D7844	>6	0.2	0.2	0.3
INFRA-RED Soot % Nitration	% Abs/cm	*ASTM D7844 *ASTM D7624	>6 >20	0.2 7.7	0.2 9.0	0.3 11.5
Soot %						
Soot % Nitration	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	>20	7.7	9.0	11.5 22.9
Soot % Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	>20 >30	7.7 19.8	9.0 21.3	11.5



OIL ANALYSIS REPORT

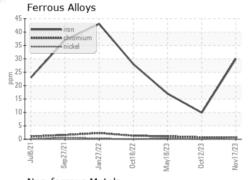


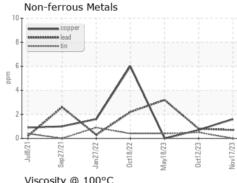


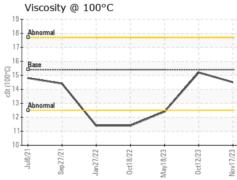
White Metal scala	r *Visual				
	i visuai	NONE	NONE	NONE	NONE
Yellow Metal scala	r *Visual	NONE	NONE	NONE	NONE
Precipitate scala	r *Visual	NONE	NONE	NONE	NONE
Silt scala	r *Visual	NONE	NONE	NONE	NONE
Debris scala	r *Visual	NONE	NONE	NONE	NONE
Sand/Dirt scala	r *Visual	NONE	NONE	NONE	NONE
Appearance scala	r *Visual	NORML	NORML	NORML	NORML
Odor scala	r *Visual	NORML	NORML	NORML	NORML
Emulsified Water scala	r *Visual	>0.2	NEG	NEG	NEG
Free Water scala	r *Visual		NEG	NEG	NEG

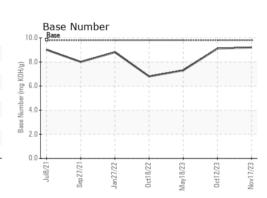
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.5	15.2	<u>12.4</u>

GRAPHS













Certificate L2367

Laboratory

Sample No. Lab Number Unique Number : 10752771 Test Package : FLEET

: GFL0101558 : 06013627

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

: 21 Nov 2023 : 21 Nov 2023 Diagnostician : Wes Davis

GFL Environmental - 415 - Michigan East

6200 Elmridge Sterling Heights, MI US 48313 Contact: Frank Wolak fwolak@gflenv.com T: (586)825-9514

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)