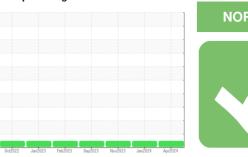


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
726023
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

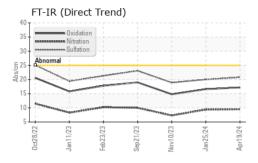
Fluid Condition

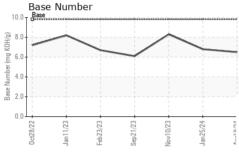
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

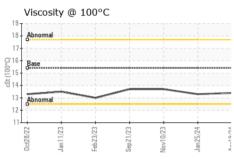
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0108462	GFL0108534	GFL0066020	
Sample Date		Client Info		19 Apr 2024	25 Jan 2024	10 Nov 2023	
Machine Age	hrs	Client Info		0	0	0	
, and the second	hrs	Client Info		0	0	0	
Oil Changed		Client Info		N/A	N/A	N/A	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATIO	N	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 METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>120	7	8	3	
	ppm	ASTM D5185m	>20	<1	<1	0	
	ppm	ASTM D5185m	>5	0	0	0	
	ppm	ASTM D5185m	>2	0	<1	0	
	ppm	ASTM D5185m	>2	0	<1	0	
	ppm	ASTM D5185m	>20	3	2	2	
	ppm	ASTM D5185m	>40	0	0	0	
	ppm	ASTM D5185m	>330	2	2	<1	
	ppm	ASTM D5185m	>15	<1	<1	<1	
	ppm	ASTM D5185m		0	0	<1	
	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	6	3	<1	
Barium	ppm	ASTM D5185m	0	0	25	0	
Molybdenum	ppm	ASTM D5185m	60	62	62	54	
Manganese	ppm	ASTM D5185m	0	<1	0	0	
Magnesium	ppm	ASTM D5185m	1010	978	885	900	
Calcium	ppm	ASTM D5185m	1070	1103	1013	1053	
Phosphorus	ppm	ASTM D5185m	1150	1051	968	1032	
	ppm	ASTM D5185m	1270	1253	1174	1145	
Sulfur	ppm	ASTM D5185m	2060	3251	2761	2780	
CONTAMINANT	S	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	4	4	5	
Sodium	ppm	ASTM D5185m		3	0	3	
Potassium	ppm	ASTM D5185m	>20	0	3	<1	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>4	0.4	0.4	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	9.5	9.4	7.3	
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	20.0	18.9	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation /	Abs/.1mm	*ASTM D7414	>25	17.2	16.6	14.8	
	mg KOH/g	ASTM D2896		6.5	6.8	8.3	
	39						



OIL ANALYSIS REPORT



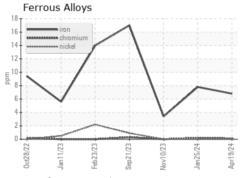




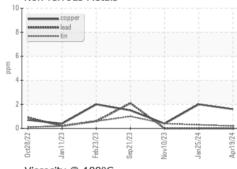
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

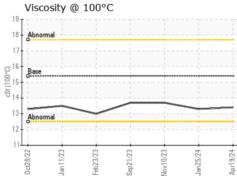
FLUID PROPE	RHES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.4	13.4	13.3	13.7

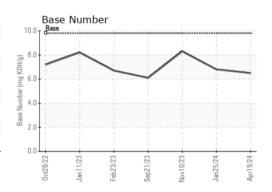
GRAPHS















Certificate 12367

Laboratory Sample No.

: GFL0108462 Lab Number : 06158897 Unique Number : 10994320 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Apr 2024 **Tested**

: 25 Apr 2024 Diagnosed : 25 Apr 2024 - Wes Davis

11888 & 11863 30th Avenue Chippewa Falls, WI US 54729

GFL Environmental - 904 - Chippewa Falls HC

T: (715)202-3420

Contact: Andy Kane

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)

Report Id: GFL904 [WUSCAR] 06158897 (Generated: 04/25/2024 12:19:46) Rev: 1