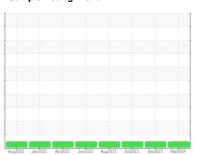


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 4625 M Component Diesel Engine Fluid PETRO CANADA DURON SHP 15W40 (5 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Early sampled)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

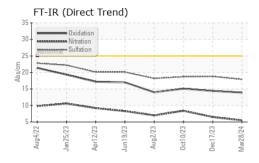
Fluid Condition

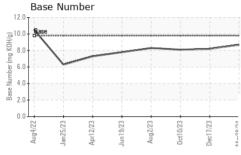
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

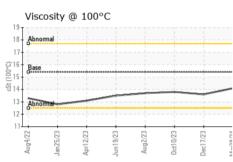
N SHP 15W40 (J GAL)	Aug2022	lan2023 Apr2023 Jun20	23 Aug2023 Oct2023 Dec2023	Mar2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0115085	GFL0097734	GFL0087275	
Sample Date		Client Info		28 Mar 2024	17 Dec 2023	10 Oct 2023	
Machine Age	hrs	Client Info		21971	21373	20746	
Oil Age	hrs	Client Info		599	627	551	
Oil Changed		Client Info		Not Changd	Changed	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	
ron	ppm	ASTM D5185m	>90	10	7	20	
Chromium	ppm	ASTM D5185m	>20	<1	<1	1	
Vickel	ppm	ASTM D5185m	>2	0	0	<1	
Titanium	ppm	ASTM D5185m	>2	0	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>20	1	1	2	
_ead	ppm	ASTM D5185m	>40	0	0	<1	
Copper	ppm	ASTM D5185m	>330	0	<1	2	
Tin	ppm	ASTM D5185m	>15	<1	0	<1	
Vanadium	ppm	ASTM D5185m		0	<1	0	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	2	2	2	
Barium	ppm	ASTM D5185m		0	0	0	
Molybdenum	ppm	ASTM D5185m	60	57	52	59	
Manganese	ppm	ASTM D5185m		<1	0	0	
Magnesium	ppm	ASTM D5185m	1010	947	853	879	
Calcium	ppm	ASTM D5185m	1070	1021	975	1044	
Phosphorus	ppm	ASTM D5185m	1150	1030	1003	974	
Zinc	ppm	ASTM D5185m	1270	1239	1190	1206	
Sulfur	ppm	ASTM D5185m	2060	3433	2894	3181	
CONTAMINAN	TS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	3	3	5	
Sodium	ppm	ASTM D5185m		1	8	4	
Potassium	ppm	ASTM D5185m	>20	<1	0	2	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>6	0.1	0.2	0.6	
Vitration	Abs/cm	*ASTM D7624	>20	5.5	6.5	8.4	
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.9	18.8	18.7	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.9	14.4	15.1	



OIL ANALYSIS REPORT



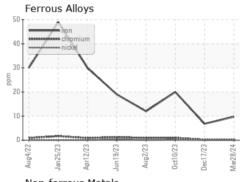


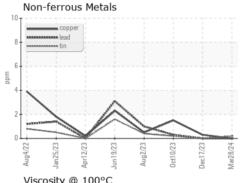


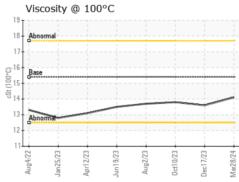
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

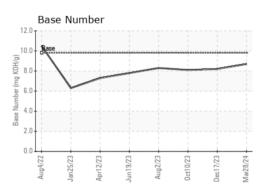
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.1	13.6	13.8

GRAPHS













Laboratory Sample No. Lab Number : 06136092 Unique Number: 10955557

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0115085

Tested Diagnosed

Received : 02 Apr 2024 : 03 Apr 2024

: 04 Apr 2024 - Don Baldridge

GFL Environmental - 405 - Arbor Hills

7811 Chubb Rd NORTHVILLE, MI US 48168

Contact: John Nahal jnahal@gflenv.com

Test Package : FLEET Certificate L2367 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)

T:

F: