

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 11252

Component

Diesel Engine Fluid

PETRO CANADA DURON SHP 15W40 (16 GAI

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

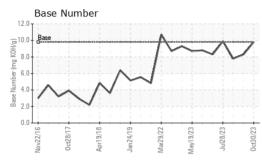
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

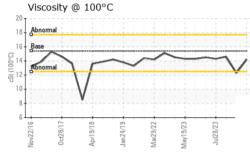
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SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0083139	GFL0083143	GFL0083133
Sample Date		Client Info		30 Oct 2023	25 Sep 2023	31 Aug 2023
Machine Age	hrs	Client Info		0	0	0
Dil Age	hrs	Client Info		0	0	0
Dil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
uel		WC Method	>5	<1.0	0.3	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	16	29	50
Chromium	ppm	ASTM D5185m	>20	<1	1	3
	ppm	ASTM D5185m	>4	0	0	2
itanium	ppm	ASTM D5185m	0	0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Numinum	ppm	ASTM D5185m	>20	3	5	6
ead	ppm	ASTM D5185m	>40	<1 1	<1 15	<1 3
Copper	ppm	ASTM D5185m	>330			
īn Ianadium	ppm	ASTM D5185m	>15	0	2	0
Cadmium	ppm	ASTM D5185m ASTM D5185m		۰ <1	0	<1 0
	ppm	ASTINI DSTOSIII			-	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	1	1	22
Barium	ppm	ASTM D5185m	0	0	0	0
lolybdenum	ppm	ASTM D5185m	60	65	70	55
langanese	ppm	ASTM D5185m	0	0	2	<1
lagnesium	ppm	ASTM D5185m	1010	940	959	729
Calcium	ppm	ASTM D5185m	1070	1068	1295	1454
Phosphorus	ppm	ASTM D5185m	1150	1018	1072	842
Zinc	ppm	ASTM D5185m	1270	1238	1359	1053
Sulfur	ppm	ASTM D5185m	2060	3535	2515	2989
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	8	13
Sodium	ppm	ASTM D5185m		0	5	14
Potassium	ppm	ASTM D5185m	>20	2	8	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.2	0.4	1.4
Nitration	Abs/cm	*ASTM D7624	>20	8.8	8.4	8.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	19.7	21.2
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Dxidation	Abs/.1mm	*ASTM D7414	>25	16.1	15.8	15.1



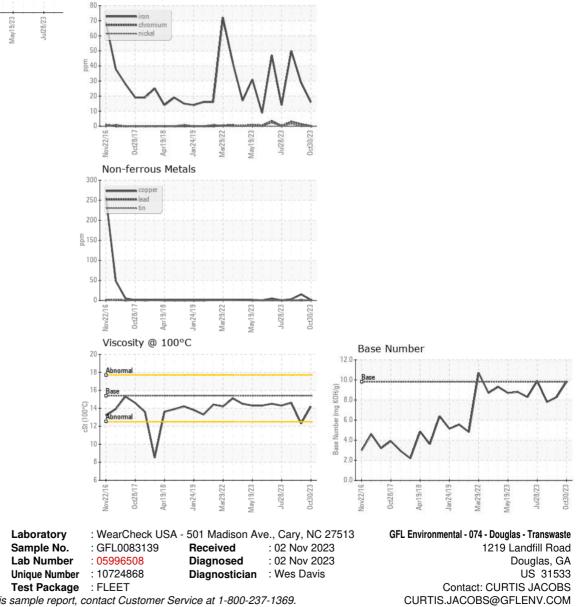
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Ferrous Alloys





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	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.2	12.3	14.6
GRAPHS						



 Certificate L2367
 Test Package
 : FLEET

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

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