

OIL ANALYSIS REPORT

Sample Rating Trend





Resample at the next service interval to monitor.

There is no indication of any contamination in the

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

oil is suitable for further service.

All component wear rates are normal.

DIAGNOSIS Recommendation

Contamination

Fluid Condition

Wear

oil.

Machine Id 422043-25 Component

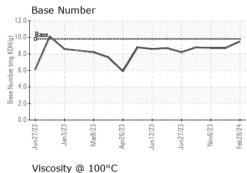
Diesel Engine

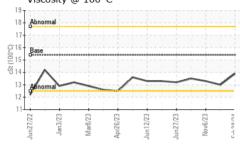
PETRO CANADA DURON SHP 15W40 (--- GAL)

N SHP 15W40 (GAL)								
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		GFL0110599	GFL0100187	GFL0091253		
Sample Date		Client Info		28 Feb 2024	11 Dec 2023	06 Nov 2023		
Machine Age	hrs	Client Info		22891	39690	38751		
Oil Age	hrs	Client Info		600	600	600		
Oil Changed		Client Info		Not Changd	Changed	Not Changd		
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		
Iron	ppm	ASTM D5185m	>120	4	2	2		
Chromium	ppm	ASTM D5185m	>20	<1	0	0		
Nickel	ppm	ASTM D5185m	>5	<1	0	0		
Titanium	ppm	ASTM D5185m	>2	<1	0	0		
Silver	ppm	ASTM D5185m	>2	0	0	0		
Aluminum	ppm	ASTM D5185m	>20	2	2	1		
Lead	ppm	ASTM D5185m	>40	0	<1	1		
Copper	ppm	ASTM D5185m	>330	7	1	<1		
Tin	ppm	ASTM D5185m	>15	<1	0	<1		
Vanadium	ppm	ASTM D5185m		<1	<1	0		
Cadmium	ppm	ASTM D5185m		<1	0	0		
ADDITIVES		method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	0	3	0	<1		
Barium	ppm	ASTM D5185m	0	0	0	0		
Molybdenum	ppm	ASTM D5185m	60	62	54	57		
Manganese	ppm	ASTM D5185m	0	<1	0	<1		
Magnesium	ppm	ASTM D5185m	1010	971	905	954		
Calcium	ppm	ASTM D5185m	1070	1026	969	1010		
Phosphorus	ppm	ASTM D5185m	1150	1082	1021	1000		
Zinc	ppm	ASTM D5185m	1270	1258	1224	1223		
Sulfur	ppm	ASTM D5185m	2060	3307	2488	3052		
CONTAMINAN	ITS	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	4	4	3		
Sodium	ppm	ASTM D5185m		3	<1	2		
Potassium	ppm	ASTM D5185m	>20	1	0	0		
INFRA-RED		method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844	>4	0.1	0.1	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	4.8	6.7	6.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.3	17.7	18.0		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2		
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.3	14.3	14.4		

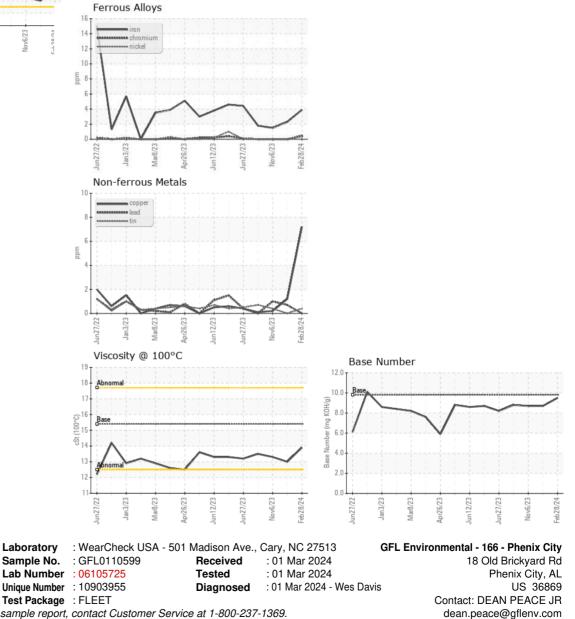


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	13.9	13.0	13.3
GRAPHS						





 Certificate L2367
 Test Package
 : FLEET
 Cont

 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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