

OIL ANALYSIS REPORT

Machine Id **211017**

Component Front Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- LTR)

Sample Rating Trend



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

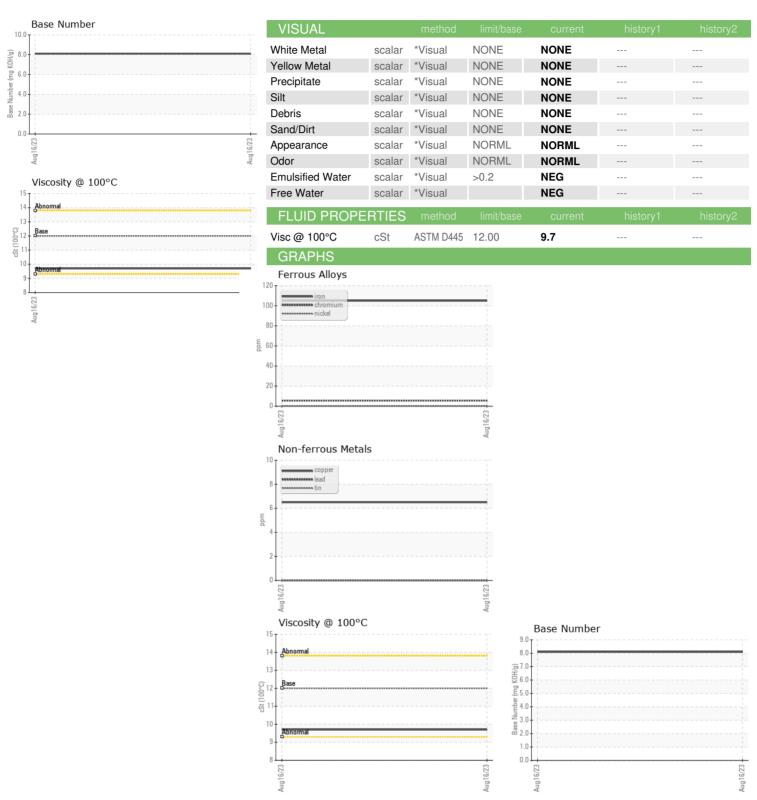
Fluid Condition

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

-1R)				Aug2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0060489		
Sample Date		Client Info		16 Aug 2023		
Machine Age	hrs	Client Info		21759		
Oil Age	hrs	Client Info		600		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	105		
Chromium	ppm	ASTM D5185m	>20	6		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m	>25	13		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	6		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	0		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	58		
Manganese	ppm	ASTM D5185m	0	2		
Magnesium	ppm	ASTM D5185m	950	954		
Calcium	ppm	ASTM D5185m	1050	1096		
Phosphorus	ppm	ASTM D5185m	995	993		
Zinc	ppm	ASTM D5185m	1180	1221		
Sulfur	ppm	ASTM D5185m	2600	3478		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	9.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.8		
FLUID DEGRAI	OATION	method	limit/base	current	history1	history2
Oxidation	Aba/1mm	*ASTM D7414	>25	15.4		
	Abs/.1mm	A311VI D7414	<i>></i> _0	15.4		
Base Number (BN)	mg KOH/g	ASTM D2896	>25	8.1		



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Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: GFL0060489 : 05930171 : 10615442 Test Package : FLEET

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

Diagnostician

: 21 Aug 2023 : 23 Aug 2023 : Jonathan Hester GFL Environmental - 660 - Lynchburg Hauling

2410 Mayflower Drive Lynchburg, VA US 24501

Contact: PHIL FLINT

pflint@gflenv.com T:

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)

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