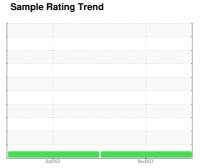


OIL ANALYSIS REPORT



NORMAL



Machine Id 366M Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (36 G

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

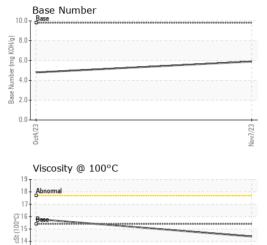
Fluid Condition

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

GAL)			0ct2023	Nov2023			
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0059144	GFL0084977		
Sample Date		Client Info		07 Nov 2023	04 Oct 2023		
Machine Age	hrs	Client Info		27941	2530		
Oil Age	hrs	Client Info		0	2530		
Oil Changed		Client Info		N/A	N/A		
Sample Status				NORMAL	NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2	
Fuel		WC Method	>3.0	<1.0	<1.0		
Glycol		WC Method		NEG	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>90	73	86		
Chromium	ppm	ASTM D5185m	>20	2	3		
Nickel	ppm	ASTM D5185m	>2	<1	1		
Titanium	ppm	ASTM D5185m	>2	0	0		
Silver	ppm	ASTM D5185m	>2	3	0		
Aluminum	ppm	ASTM D5185m	>20	5	4		
Lead	ppm	ASTM D5185m	>40	<1	7		
Copper	ppm	ASTM D5185m	>330	6	2		
Tin	ppm	ASTM D5185m	>15	0	1		
Vanadium	ppm	ASTM D5185m		0	<1		
Cadmium	ppm	ASTM D5185m		0	0		
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	<1	4		
Barium	ppm	ASTM D5185m	0	6	0		
Molybdenum	ppm	ASTM D5185m	60	68	63		
Manganese	ppm	ASTM D5185m	0	<1	1		
Magnesium	ppm	ASTM D5185m	1010	962	986		
Calcium	ppm	ASTM D5185m	1070	1197	1118		
Phosphorus	ppm	ASTM D5185m	1150	1066	1108		
Zinc	ppm	ASTM D5185m	1270	1287	1349		
Sulfur	ppm	ASTM D5185m	2060	3004	2872		
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	14	10		
Sodium	ppm	ASTM D5185m		0	35		
Potassium	ppm	ASTM D5185m	>20	2	4		
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>6	0.9	1.5		
Nitration	Abs/cm	*ASTM D7624	>20	13.2	14.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.1	26.5		
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	25.9	27.9		
Base Number (BN)	mg KOH/g		9.8	5.9	4.8		



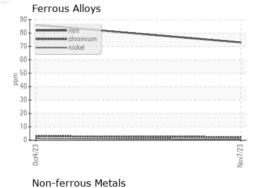
OIL ANALYSIS REPORT

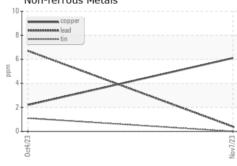


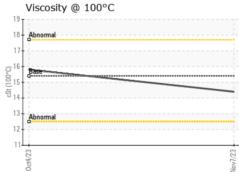
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
FLUID DDODE	DTIEO		11 11 11		111	1:

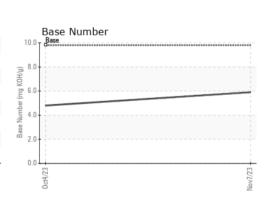
FLUID PROPE	RHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.4	15.8	

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10740482

: GFL0059144 : 06006720 Test Package : FLEET

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

: 14 Nov 2023 : 15 Nov 2023

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

GFL Environmental - 410 - Michigan West 39000 Van Born Rd

Wayne, MI US 48184 Contact: Belal Dgheish bdgheish@gflenv.com T: (734)714-2340

* - 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)