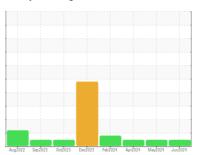


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id

923028-260204.1

Component

Diesel Engine

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

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

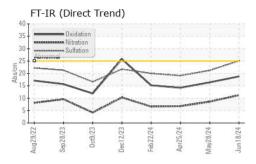
Fluid Condition

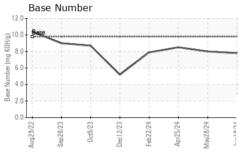
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

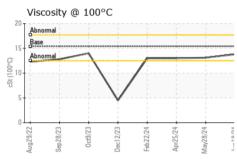
AL)		Aug2022 S	Sep 2023 Oct2023 Dec 207	3 Feb 2024 Apr 2024 May 2024	Jun2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0123151	GFL0123158	GFL0104873	
Sample Date		Client Info		18 Jun 2024	28 May 2024	25 Apr 2024	
Machine Age	hrs	Client Info		5476	0	12857	
Oil Age	hrs	Client Info		12857	0	12857	
Oil Changed		Client Info		N/A	N/A	N/A	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2	
-uel		WC Method	>5	<1.0	<1.0	<1.0	
Nater		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	>100	42	24	13	
Chromium	ppm	ASTM D5185m	>20	3	2	1	
Nickel	ppm	ASTM D5185m	>4	0	0	0	
Γitanium	ppm	ASTM D5185m		<1	<1	0	
Silver	ppm	ASTM D5185m	>3	0	0	0	
Aluminum	ppm	ASTM D5185m	>20	4	4	2	
_ead	ppm	ASTM D5185m	>40	<1	<1	0	
Copper	ppm	ASTM D5185m	>330	14	2	<1	
Γin	ppm	ASTM D5185m	>15	0	<1	0	
√anadium	ppm	ASTM D5185m		0	0	0	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	6	1	0	
Barium	ppm	ASTM D5185m	0	0	1	0	
Molybdenum	ppm	ASTM D5185m	60	57	58	55	
Manganese	ppm	ASTM D5185m	0	<1	0	0	
Magnesium	ppm	ASTM D5185m	1010	920	877	908	
Calcium	ppm	ASTM D5185m	1070	1105	1075	1042	
Phosphorus	ppm	ASTM D5185m	1150	1036	992	998	
Zinc	ppm	ASTM D5185m	1270	1259	1209	1172	
Sulfur	ppm	ASTM D5185m	2060	2855	3224	3466	
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	8	5	3	
Sodium	ppm	ASTM D5185m		6	1	3	
Potassium	ppm	ASTM D5185m	>20	2	2	0	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	2.4	1	0.7	
Vitration	Abs/cm	*ASTM D7624	>20	11.2	8.6	6.8	
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.1	21.2	19.1	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.8	16.4	14.2	



OIL ANALYSIS REPORT



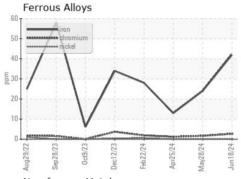


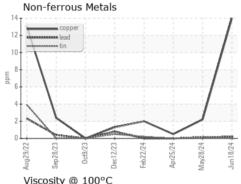


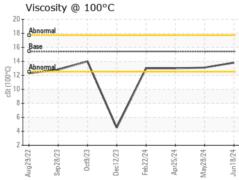
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

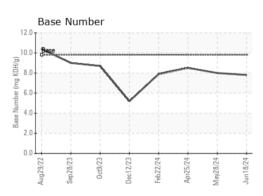
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	13.1	13.0

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0123151 Lab Number : 06216615 Unique Number : 11089479

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Jun 2024

Tested : 24 Jun 2024 Diagnosed : 24 Jun 2024 - Wes Davis

GFL Environmental - 820 - Joplin Hauling

3700 West 7th Street Joplin, MO

US 64801 Contact: James Jarrett jjarrett@gflenv.com T: (417)310-2802

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)