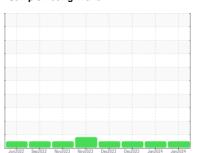


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id **4663M** 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

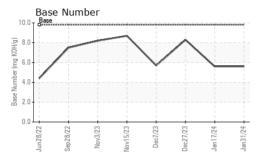
Fluid Condition

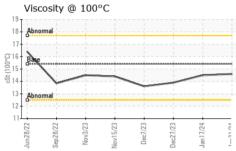
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

CAMPLE INC		Junzozz	900000 1100000 100000	23 Dec2023 Dec2023 Jan2024		1.1	
SAMPLE INFO	DRMATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0110028	GFL0109979	GFL0104273	
Sample Date		Client Info		31 Jan 2024	17 Jan 2024	27 Dec 2023	
Machine Age	hrs	Client Info		14616	14441	14216	
Oil Age	hrs	Client Info		600	600	14103	
Oil Changed		Client Info		Changed	Changed	N/A	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINA	ATION	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 META	ALS	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>90	47	46	13	
Chromium	ppm	ASTM D5185m	>20	<1	1	<1	
Nickel	ppm	ASTM D5185m	>2	0	<1	0	
Titanium	ppm	ASTM D5185m	>2	0	<1	<1	
Silver	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>20	5	9	2	
Lead	ppm	ASTM D5185m	>40	0	0	0	
Copper	ppm		>330	2	2	<1	
Tin	ppm	ASTM D5185m	>15	0	0	0	
Vanadium		ASTM D5185m	>10	0	0	0	
Cadmium	ppm	ASTM D5185m		0	0	0	
	ppm		1: 1: 0				
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	1	1	1	
Barium	ppm	ASTM D5185m		5	0	0	
Molybdenum	ppm	ASTM D5185m	60	64	56	59	
Manganese	ppm	ASTM D5185m	0	0	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	975	917	961	
Calcium	ppm	ASTM D5185m	1070	1039	1090	1087	
Phosphorus	ppm	ASTM D5185m	1150	904	860	1021	
Zinc	ppm	ASTM D5185m	1270	1254	1153	1252	
Sulfur	ppm	ASTM D5185m	2060	2576	2477	3006	
CONTAMINA	ANTS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	8	15	4	
Sodium	ppm	ASTM D5185m		<1	8	1	
Potassium	ppm	ASTM D5185m	>20	12	11	1	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>6	0.7	0.7	0.5	
Nitration	Abs/cm	*ASTM D7624	>20	13.3	13.6	7.9	
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.7	25.6	19.4	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	26.4	26.8	15.6	
Base Number (BN		ASTM D2896		5.6	5.6	8.3	
-~00 1 tallibor (DI	-,		0.0	0.0	0.0	0.0	



OIL ANALYSIS REPORT

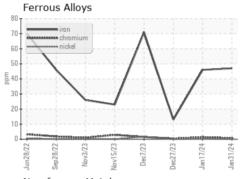


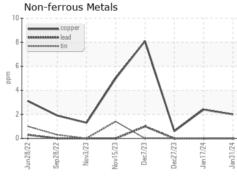


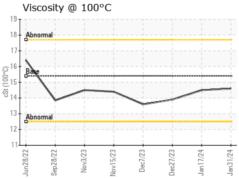
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

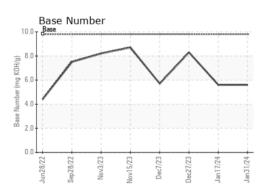
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	14.6	14.5	13.9	

GRAPHS













Laboratory Sample No.

: GFL0110028 Lab Number : 06081146 Unique Number: 10863237 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Feb 2024 **Tested** : 06 Feb 2024

Diagnosed : 07 Feb 2024 - Don Baldridge

GFL Environmental - 410 - Michigan West

39000 Van Born Rd Wayne, MI US 48184

Contact: Belal Dgheish bdgheish@gflenv.com T: (734)714-2340

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)

Submitted By: "Billy" see also GFL468 - Belal Dgheish