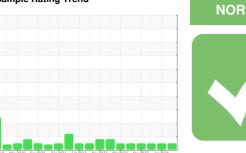


OIL ANALYSIS REPORT

Sample Rating Trend









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

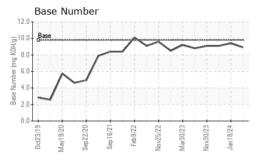
Fluid Condition

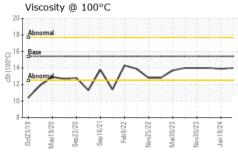
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

CAMPI E WEST	, , T.O.	Jct2019 May20		2022 Nov2022 Mar2023 Nov2023		11	
SAMPLE INFORM	//ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0111970	GFL0102580	GFL0102560	
Sample Date		Client Info		01 Mar 2024	18 Jan 2024	18 Dec 2023	
Machine Age	hrs	Client Info		23914	23914	23914	
Oil Age	hrs	Client Info		0	0	0	
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATI	ON	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 METALS	3	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>120	5	4	4	
Chromium	ppm	ASTM D5185m	>20	0	<1	<1	
Nickel	ppm	ASTM D5185m	>5	<1	1	1	
Titanium	ppm	ASTM D5185m	>2	<1	1	<1	
Silver	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>20	<1	3	<1	
Lead	ppm	ASTM D5185m	>40	0	<1	<1	
Copper	ppm	ASTM D5185m	>330	<1	1	<1	
Tin	ppm	ASTM D5185m	>15	1	<1	0	
Vanadium	ppm	ASTM D5185m		0	<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	2	3	2	
Barium	ppm	ASTM D5185m	0	0	3	0	
Molybdenum	ppm	ASTM D5185m	60	56	58	56	
Manganese	ppm	ASTM D5185m	0	0	0	0	
Magnesium	ppm	ASTM D5185m	1010	1046	925	877	
Calcium	ppm	ASTM D5185m	1070	1137	1033	960	
Phosphorus	ppm	ASTM D5185m	1150	1017	983	913	
Zinc	ppm	ASTM D5185m	1270	1303	1190	1097	
Sulfur	ppm	ASTM D5185m	2060	3165	3497	2896	
CONTAMINANTS method limit/base current history1 history2							
Silicon	ppm	ASTM D5185m	>25	3	3	3	
Sodium	ppm	ASTM D5185m		1	0	1	
Potassium	ppm	ASTM D5185m	>20	0	2	0	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>4	0.2	0.2	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	5.7	5.7	5.8	
Sulfation	Abs/.1mm	*ASTM D7024	>30	17.9	18.2	18.2	
FLUID DEGRADATION method limit/base current history1 history2							
					, , , , , , , , , , , , , , , , , , , ,	,	
Ovidation	Aba/1mm	*ACTM D7444	- 25	1/17	116	117	
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25	14.7 8.9	14.6 9.4	14.7 9.1	



OIL ANALYSIS REPORT

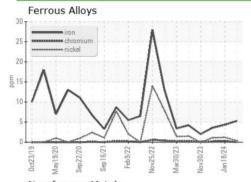


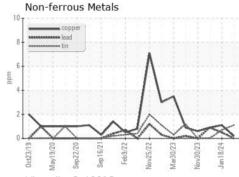


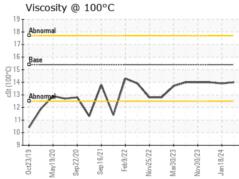
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

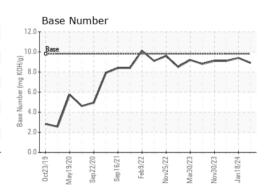
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.0	13.9	14.0

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number : 06110801

Test Package : FLEET

: GFL0111970 Unique Number: 10914298

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

: 07 Mar 2024 : 07 Mar 2024 - Wes Davis

GFL Environmental - 892 - Pauls Valley Hauling

405 East Airport Industrial Road Pauls Valley, OK US 73075

Contact: Tony Graham tgraham2@wcamerica.com

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)

Diagnosed

T:

F: