

OIL ANALYSIS REPORT

Sample Rating Trend







PETRO CANADA DURON SHP 15W40 (36 QTS)

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

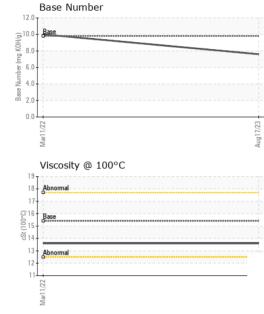
Fluid Condition

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

N 30P 13W40 (3	0 Q I S)		Mar2022	Aug2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0085042	GFL0018428	
Sample Date		Client Info		17 Aug 2023	11 Mar 2022	
Machine Age	hrs	Client Info		83046	16320	
Oil Age	hrs	Client Info		66726	0	
Oil Changed		Client Info		Changed	Changed	
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	23	10	
Chromium	ppm	ASTM D5185m		<1	<1	
Nickel	ppm	ASTM D5185m	>2	0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m		2	3	
Lead	ppm	ASTM D5185m	>40	0	<1	
Copper	ppm		>330	2	4	
Tin	ppm	ASTM D5185m	>15	- <1	<1	
Vanadium	ppm	ASTM D5185m	>10	<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES	PP	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	4	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	60	59	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	964	978	
Calcium	ppm	ASTM D5185m	1070	1118	1116	
Phosphorus	ppm	ASTM D5185m	1150	1025	1068	
Zinc	ppm	ASTM D5185m	1270	1252	1305	
Sulfur	ppm	ASTM D5185m	2060	3411	2618	
CONTAMINAN	IS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	3	
Sodium	ppm	ASTM D5185m		7	2	
Potassium	ppm	ASTM D5185m	>20	3	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.6	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	10.8	8.4	
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	20.4	
						111
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	DATION Abs/.1mm	*ASTM D7414	>25	current 19.1	17.1	nistory2
						nistory2



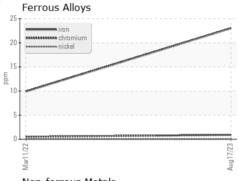
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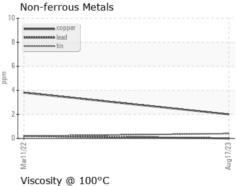


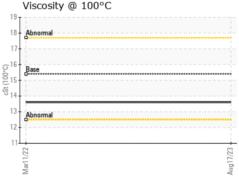
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance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

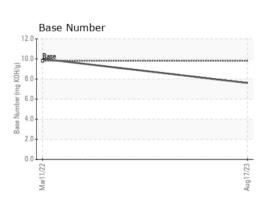
FLUID PROPE	ERITES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.6	13.6	

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10609137 Test Package : FLEET

: GFL0085042 : 05929190

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Aug 2023 Diagnosed

: 21 Aug 2023 Diagnostician : Wes Davis

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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