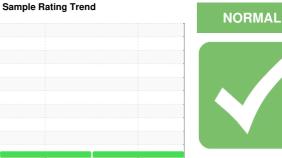


OIL ANALYSIS REPORT







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

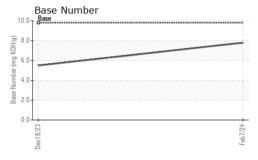
Fluid Condition

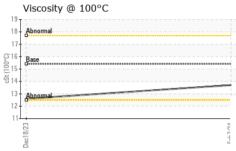
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

N SHP 15W40 (-	GAL)		Dec2023	Feb 2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0110068	GFL0084919	
Sample Date		Client Info		07 Feb 2024	18 Dec 2023	
Machine Age	hrs	Client Info		17755	17622	
Oil Age	hrs	Client Info		133	0	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	6	4	
Chromium	ppm	ASTM D5185m	>20	<1	0	
Nickel	ppm	ASTM D5185m	>5	0	0	
Titanium	ppm	ASTM D5185m	>2	0	<1	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>20	2	<1	
Lead	ppm	ASTM D5185m	>40	0	<1	
Copper	ppm	ASTM D5185m	>330	0	1	
Tin	ppm	ASTM D5185m	>15	0	2	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	4	2	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	55	57	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	900	859	
Calcium	ppm	ASTM D5185m	1070	1006	1000	
Phosphorus	ppm	ASTM D5185m	1150	1029	978	
Zinc	ppm	ASTM D5185m	1270	1208	1145	
Sulfur	ppm	ASTM D5185m	2060	2944	2650	
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	3	
Sodium	ppm	ASTM D5185m		2	6	
Potassium	ppm	ASTM D5185m	>20	0	0	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.2	0.1	
Nitration	Abs/cm	*ASTM D7624	>20	6.7	8.3	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.2	19.2	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
FLUID DEGRA Oxidation	DATION Abs/.1mm	method *ASTM D7414	limit/base >25	current 14.3	history1 15.8	history2



OIL ANALYSIS REPORT

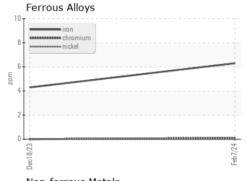


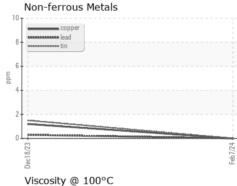


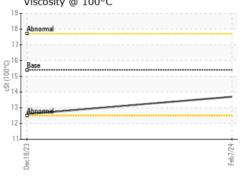
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance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

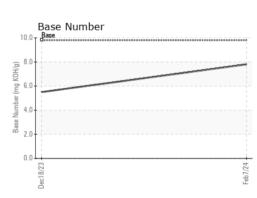
FLUID PROPI	ERHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.7	12.6	

GRAPHS











Laboratory Sample No.

: GFL0110068 Lab Number : 06085764 Unique Number : 10873209 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Feb 2024 **Tested**

Diagnosed

: 13 Feb 2024 : 13 Feb 2024 - Wes Davis

GFL Environmental - 468 - Dearborn 3051 Schaefer Rd Dearborn, MI

US 48126 Contact:

T:

F:

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)