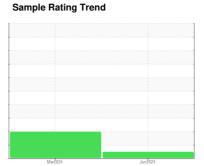


OIL ANALYSIS REPORT



(GGJ473) 934030 **Natural Gas Engine**

PETRO CANADA DURON SHP 15W40 (





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the

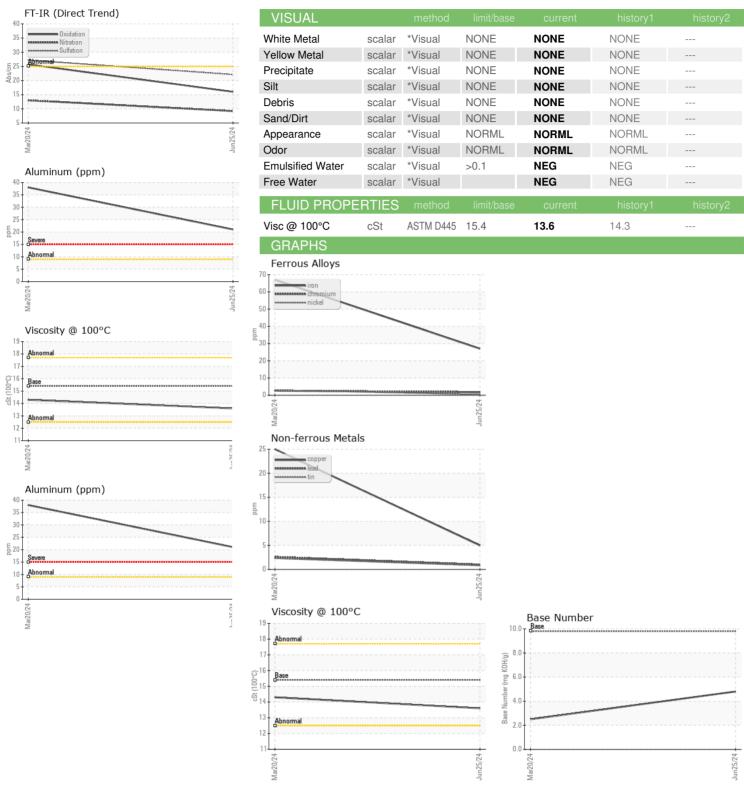
Fluid Condition

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)		Mar2024	Jun2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0122661	GFL0103435	
Sample Date		Client Info		25 Jun 2024	20 Mar 2024	
Machine Age	hrs	Client Info		1144	1144	
Dil Age	hrs	Client Info		757	1144	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	ABNORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Vater		WC Method	>0.1	NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	27	△ 67	
Chromium	ppm	ASTM D5185m	>4	2	3	
lickel	ppm	ASTM D5185m	>2	<1	3	
- itanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>3	0	<1	
Aluminum	ppm	ASTM D5185m	>9	21	38	
ead	ppm	ASTM D5185m	>30	1	3	
Copper	ppm	ASTM D5185m	>35	5	25	
in	ppm	ASTM D5185m	>4	<1	2	
anadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	4	
Barium	ppm	ASTM D5185m	0	0	3	
Nolybdenum	ppm	ASTM D5185m	60	71	69	
Manganese	ppm	ASTM D5185m	0	3	17	
Magnesium	ppm	ASTM D5185m	1010	1047	932	
Calcium	ppm	ASTM D5185m	1070	1302	1275	
hosphorus	ppm	ASTM D5185m	1150	1062	944	
inc .	ppm	ASTM D5185m	1270	1436	1099	
Sulfur	ppm	ASTM D5185m	2060	3351	2558	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	9	32	
Sodium	ppm	ASTM D5185m		8	7	
Potassium	ppm	ASTM D5185m	>20	46	109	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	
JUUL 78					13.0	
litration	Abs/cm	*ASTM D7624	>20	9.2	13.0	
litration	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415		9.2 22.1	27.2	
litration	Abs/.1mm	*ASTM D7415				
Nitration Sulfation	Abs/.1mm	*ASTM D7415	>30 limit/base	22.1	27.2	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: GFL0122661 Lab Number : 06223353 Unique Number : 11101550

Test Package : FLEET

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

: 28 Jun 2024 **Tested** : 01 Jul 2024

Diagnosed : 01 Jul 2024 - Wes Davis

GFL Environmental - 095 - Atlanta West 2699 Cochran Industrial Blvd Douglasville, GA

US 30127-1332 Contact: Darrell Welch darrell.welch@gflenv.com T: (800)207-6618

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)