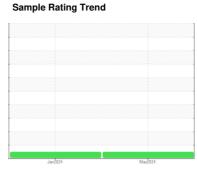


# **OIL ANALYSIS REPORT**







Machine Id
MH-88
Component
Diesel Engine

PETRO CANADA 15W40 (--- GAL)

### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

#### Wear

All component wear rates are normal.

## Contamination

There is no indication of any contamination in the oil.

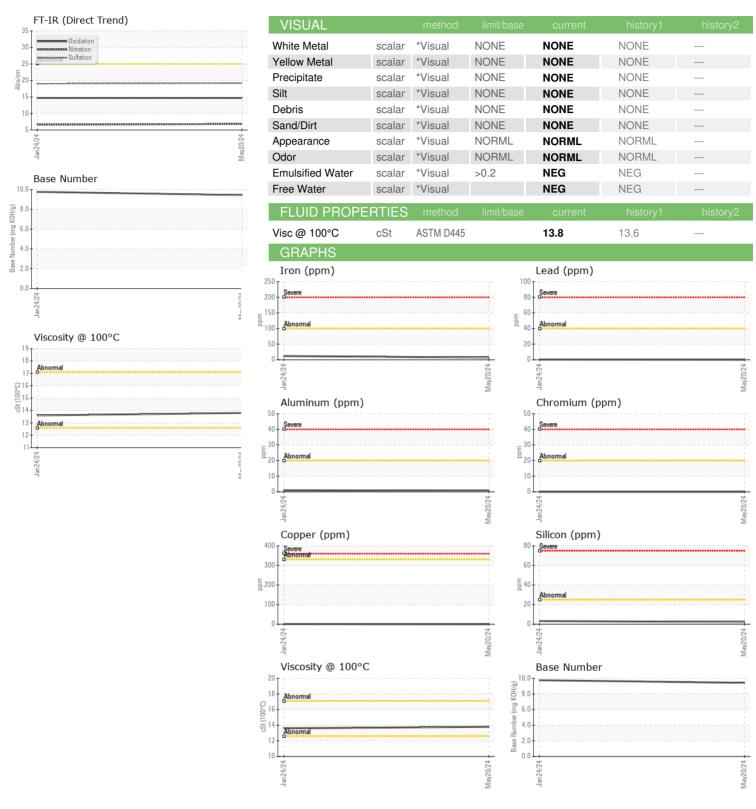
### Fluid Condition

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

			Jan 2024	May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0123803	PCA0112772	
Sample Date		Client Info		20 May 2024	24 Jan 2024	
Machine Age	hrs	Client Info		5288	4819	
Oil Age	hrs	Client Info		469	541	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method		<1.0	<1.0	
Water		WC Method		NEG	NEG	
Glycol		WC Method	7 U.L	NEG	NEG	
	o.		limit/bass	ourrent.	historya	history
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	7	12	
Chromium	ppm	ASTM D5185m	>20	0	0	
Nickel	ppm	ASTM D5185m	>4	0	0	
Titanium	ppm	ASTM D5185m	0	0	<1	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum Lead	ppm	ASTM D5185m	>20	<1	1	
	ppm	ASTM D5185m	>40	0	<1 <1	
Copper Tin	ppm	ASTM D5185m ASTM D5185m	>330	0	<1	
Vanadium	ppm	ASTM D5185m	>10	0	0	
Cadmium	ppm	ASTM D5185m		0	<1	
	ррііі					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4	<1	
Barium	ppm	ASTM D5185m		0	<1	
Molybdenum	ppm	ASTM D5185m		58	63	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		948	966	
Calcium	ppm	ASTM D5185m		1019	1066	
Phosphorus Zinc	ppm	ASTM D5185m ASTM D5185m		1022 1218	868 1238	
Sulfur	ppm	ASTM D5185m		3020	2834	
	• •		Para ta da a a a a			
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	3	
Sodium	ppm	ASTM D5185m		<1	0	
Potassium	ppm	ASTM D5185m	>20	0	1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	6.8	6.6	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.2	19.0	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.7	14.7	
Base Number (BN)	mg KOH/g	ASTM D2896		9.43	9.76	



# **OIL ANALYSIS REPORT**







Laboratory Sample No.

Lab Number : 06197893 Unique Number : 11060016

: PCA0123803

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

Received : 03 Jun 2024 **Tested** : 04 Jun 2024 Diagnosed

: 04 Jun 2024 - Wes Davis

SCRAP METAL SERVICES (SMS Mill Services LLC) 1500 COMMERCIAL AVE MINGO JUNCTION, OH US 43938

Contact: STAN MANN smann@scrapmetalservices.com

Test Package : MOB 2 Certificate 12367 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) T:

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