

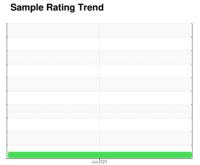
OIL ANALYSIS REPORT



MINING ME-015 CATERPILLAR 773G JWS00457

Front Right Final Drive

PETRO CANADA PRODURO TO-4 SAE 50 (--- 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

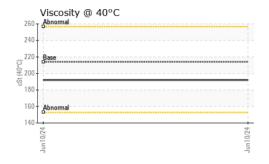
Fluid Condition

The condition of the oil is acceptable for the time in service.

10 10-4 SAE 50 (-	GAL)			Jun 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0941654		
Sample Date		Client Info		10 Jun 2024		
Machine Age	hrs	Client Info		6156		
Oil Age	hrs	Client Info		6156		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>800	72		
Chromium	ppm	ASTM D5185(m)	>10	<1		
Nickel	ppm	ASTM D5185(m)	>5	2		
Titanium	ppm	ASTM D5185(m)	>15	2		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm	ASTM D5185(m)	>75	43		
_ead	ppm	ASTM D5185(m)	>10	0		
Copper	ppm	ASTM D5185(m)	>75	<1		
Tin	ppm	ASTM D5185(m)	>8	0		
Antimony	ppm	ASTM D5185(m)	>50	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	7		
Barium	ppm	ASTM D5185(m)	0	<1		
Molybdenum	ppm	ASTM D5185(m)	0	2		
Manganese	ppm	ASTM D5185(m)	0	<1		
Magnesium	ppm	ASTM D5185(m)	9	26		
Calcium	ppm	ASTM D5185(m)	3114	3746		
Phosphorus	ppm	ASTM D5185(m)	1099	854		
Zinc	ppm	ASTM D5185(m)	1245	1013		
Sulfur	ppm	ASTM D5185(m)	7086	5282		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>400	124		
Sodium	ppm	ASTM D5185(m)		26		
Potassium	ppm	ASTM D5185(m)	>20	17		



OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*	>0.2	NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROPERT	IFS.	method	limit/hase	current	history1	history2

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom			•	no image	no image

192

ASTM D7279(m) 213.9

GRAPHS

Visc @ 40°C

Ferrous Alloys 0/24

cSt

	Jun10	Jun 10
	Non-ferrous Metals	
10 8	copper l	
udd 4	onnance tin	
2	1	-
0-	Jun 1024	Jun10/24
260	Viscosity @ 40°C	
240	T	
220 ي	Base	
£200∙		-
ই ₁₈₀		
160	Abnormal	





Laboratory Sample No. Lab Number : 02643473 Unique Number : 5801012

: WC0941654

Test Package : CONST

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Received : 21 Jun 2024 **Tested** : 21 Jun 2024

Diagnosed : 21 Jun 2024 - Wes Davis

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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Submitted By: Paul Laneville