**OIL ANALYSIS REPORT** 

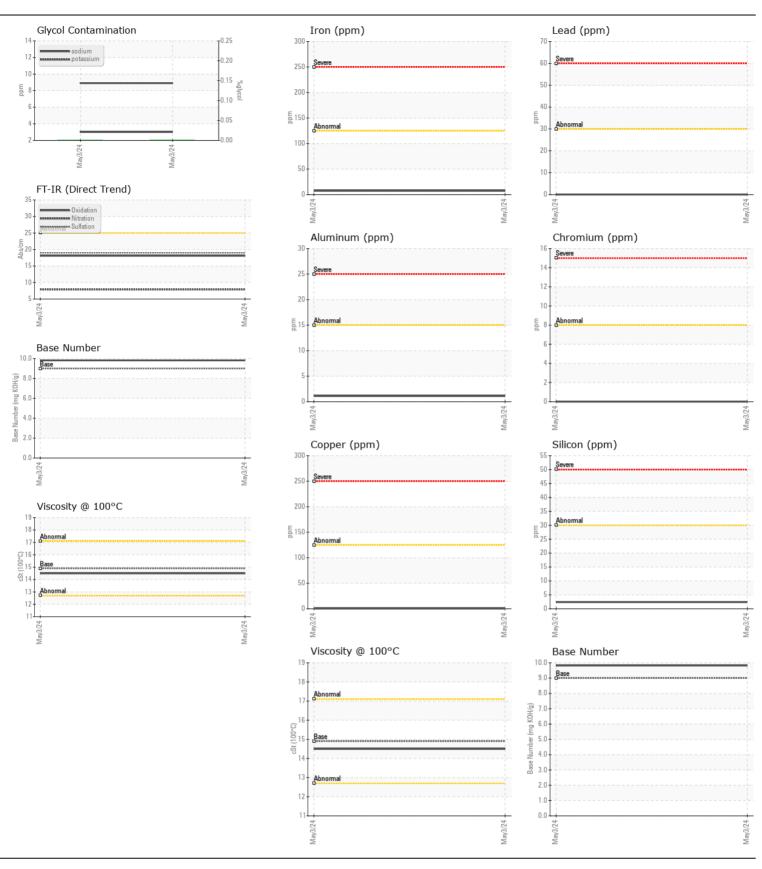
**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL NORMAL NORMAL** 

Machine Id

## TIGERCAT 630H 6306097 Component Diesel Engine

SHELL ROTELLA T SB 0W40 (15 LTR)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR02634272		
	Sample Date		Client Info		03 May 2024		
	Machine Age	hrs	Client Info		4600		
	Oil Age	hrs	Client Info		128		
	Filter Age	hrs	Client Info		128		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185(m)	>125	7		
All component wear rates are normal.	Chromium	ppm	ASTM D5185(m)	>8	0		
	Nickel	ppm	ASTM D5185(m)	>5	0		
	Titanium	ppm	ASTM D5185(m)		<1		
	Silver	ppm	ASTM D5185(m)	>3	0		
	Aluminum	ppm	ASTM D5185(m)	>15	1		
	Lead	ppm	ASTM D5185(m)	>30	0		
	Copper	ppm	ASTM D5185(m)	>125	<1		
	Tin	ppm	ASTM D5185(m)	>5	0		
	Vanadium	ppm	ASTM D5185(m)		0		
CONTAMINATION	Silicon	nnm	ASTM D5185(m)	~30	2		
	Potassium	ppm	ASTM D5185(m)		9		
There is no indication of any contamination in the oil.	Fuel	ppiii	WC Method		<1.0		
	Water		WC Method		NEG		
	Glycol	%	ASTM D7922*	, 0.1	0.0		
	Soot %	%	ASTM D7844*	>3	0		
	Nitration	Abs/cm	ASTM D7624*	>20	7.9		
	Sulfation	Abs/.1mm	ASTM D7415*	>30	19.0		
	Emulsified Water	scalar	Visual*	>0.2	NEG		
FLUID CONDITION	Sodium	nnm	ASTM D5185(m)		3		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185(m)		37		
	Barium	ppm	ASTM D5185(m)		0		
	Molybdenum	ppm	ASTM D5185(m)		0		
	Manganese	ppm	ASTM D5185(m)		0		
	Magnesium	ppm	ASTM D5185(m)		14		
	Calcium	ppm	ASTM D5185(m)		2297		
	Phosphorus	ppm	ASTM D5185(m)		986		
	Zinc	ppm	ASTM D5185(m)		1159		
	Sulfur	ppm	ASTM D5185(m)		3445		
	Oxidation	Abs/.1mm	ASTM D7414*	>25	18.1		
	Base Number (BN)	mg KOH/g	ASTM D2896*	9.0	9.82		
	Visc @ 100°C	cSt	ASTM D7279(m)	14.9	14.5		





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : TR02634272 : 02634272 Unique Number : 5775425

Received **Tested** Diagnosed

: 09 May 2024 : 10 May 2024 Test Package : MOB 2 ( Additional Tests: Glycol )

: 10 May 2024 - Kevin Marson

**CA J9V 1N9** Contact: Michael Gauthier vente@petrolestemis.com T: (819)629-6883 F: (819)629-2215

**PETROLES TEMIS** 

VILLE-MARIE, QC

10 RUBE DUBE

To discuss this sample report, contact Customer Service at 1-800-827-0711. \* - 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)