**OIL ANALYSIS REPORT** 

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

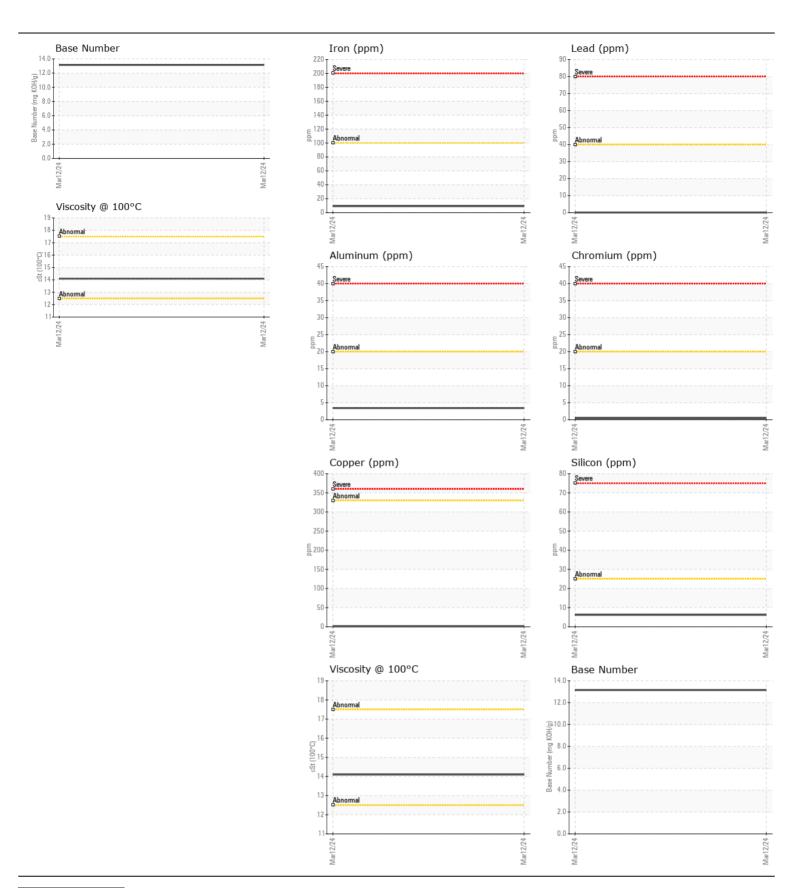
Machine Id

## **GMC TOP KICK 3126 CAT**

Component Diesel Engine

TRC MOLV XI PRO-SPEC IV XP 15W40 (--- QTS)

	S)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06121750		
	Sample Date		Client Info		12 Mar 2024		
	Machine Age	mls	Client Info		258000		
	Oil Age	mls	Client Info		500		
	Filter Age	mls	Client Info		500		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>100	9		
WLAN	Chromium	ppm	ASTM D5185m		<1		
All component wear rates are normal.	Nickel		ASTM D5185m		0		
		ppm		>4			
	Titanium	ppm	ASTM D5185m	0	<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		3		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		1		
	Tin	ppm	ASTM D5185m	>15	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	6		
	Potassium	ppm	ASTM D5185m	>20	3		
There is no indication of any contamination in the oil.	Fuel		WC Method		<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.2		
	Nitration	Abs/cm	*ASTM D7624		9.0		
	Sulfation	Abs/.1mm	*ASTM D7415		17.3		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE NORML		
	Appearance	scalar	*Visual	NORML			
	Odor	scalar	*Visual	NORML	NORML		
<u></u>	Emulsified Water	scalar	*Visual	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1		
<del>-</del>	Boron	ppm	ASTM D5185m		4		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		153		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		36		
	Calcium	ppm	ASTM D5185m		4046		
	Phosphorus	ppm	ASTM D5185m		780		
	Zinc	ppm	ASTM D5185m		840		
	Sulfur	ppm	ASTM D5185m		3690		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	9.5		
	Base Number (BN)		ASTM D2896	0	13.15		





Certificate L2367

Laboratory Sample No.

: TR06121750 Lab Number : 06121750 Unique Number: 10930583 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Mar 2024 : 19 Mar 2024 **Tested** 

: 19 Mar 2024 - Wes Davis Diagnosed

**MAC FARMS JV** S 35708 WELLS RD CHENEY, WA

US 99004 Contact: RONALD GROGAN

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)

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