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

**NORMAL NORMAL NORMAL** 

Machine Id M62201

Gasoline Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		DC0034058		
	Sample Date		Client Info		15 May 2024		
	Machine Age	mls	Client Info		929		
	Oil Age	mls	Client Info		0		
	Filter Age	mls	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
/EAR	Iron	ppm	ASTM D5185m	>150	27		
	Chromium	ppm	ASTM D5185m		<1		
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	70	<1		
	Silver	ppm	ASTM D5185m	>2	<1		
	Aluminum	ppm	ASTM D5185m		7		
	Lead	ppm	ASTM D5185m		2		
	Copper	ppm	ASTM D5185m		27		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m	710	<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTAMINATION	Silicon	ppm	ASTM D5185m		70		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		6		
	Fuel		WC Method		<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol	0/	WC Method		NEG		
	Soot %	% Ala a /a rea	*ASTM D7844	00	0		
	Nitration Sulfation	Abs/cm	*ASTM D7624	>20	6.6		
		Abs/.1mm	*ASTM D7415		16.7		
	Silt Debris	scalar	*Visual	NONE	NONE NONE		
		scalar	*Visual	NONE			
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance Odor	scalar scalar	*Visual *Visual	NORML NORML	NORML		
	Emulsified Water		*Visual		NORML NEG		
<u></u>	Emuisined water	scalar	visuai	>0.2	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m	>400	7		
	Boron	ppm	ASTM D5185m	75	138		
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	5	2		
	Molybdenum	ppm	ASTM D5185m	100	119		
	Manganese	ppm	ASTM D5185m		4		
	Magnesium	ppm	ASTM D5185m	12	354		
	Calcium	ppm	ASTM D5185m	2100	1371		
	Phosphorus	ppm	ASTM D5185m	650	748		
	Zinc	ppm	ASTM D5185m	850	816		
	Sulfur	ppm	ASTM D5185m	2500	3546		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	8.8		
	Base Number (BN)	mg KOH/g	ASTM D2896		6.1		
	Visc @ 100°C	cSt	ASTM D445		9.3		





Laboratory Sample No. Unique Number : 11056942

: DC0034058 Lab Number : 06194819

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

Diagnosed Test Package : MOB 1 ( Additional Tests: TBN )

: 29 May 2024 : 30 May 2024

: 31 May 2024 - Sean Felton

HYATTSVILLE, MD US 20781 Contact: June McClosky office@mmfleet.net T: (301)779-4545

5046 BUCHANAN ST.

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

F: x:

M&M FLEET