OIL ANALYSIS REPORT

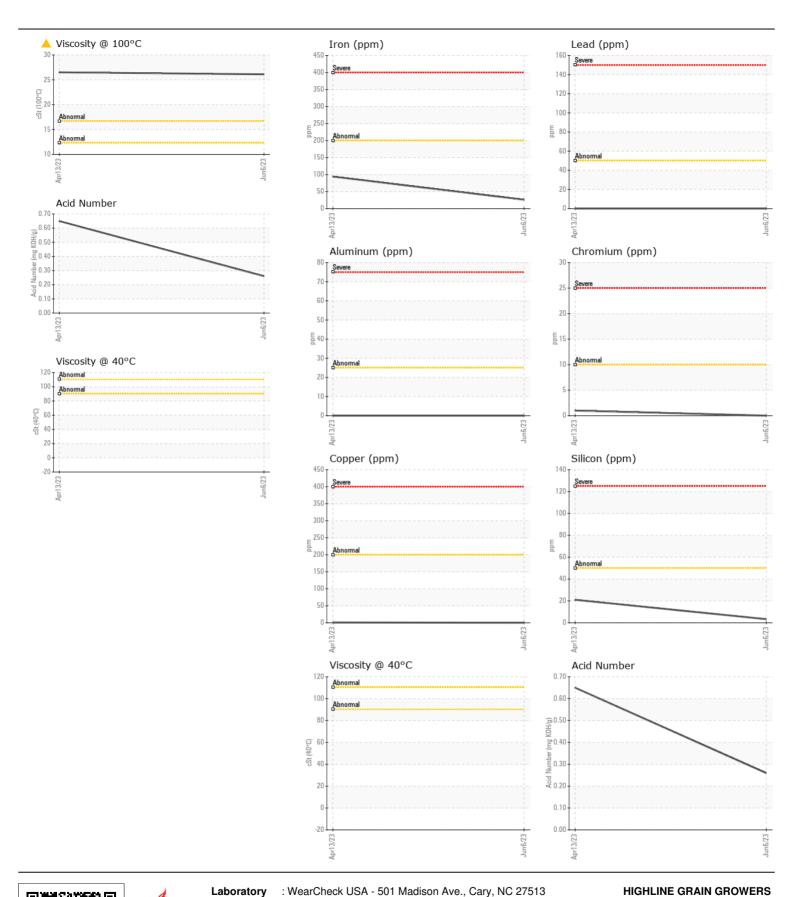
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL ATTENTION

DODGE M-11 20 DRAG TOP M-11 TOP FILL DRAG 20 (S/N 235457)

Component Gearbox

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	OOW	Client Info	LIIIIU/ADII	TR05874585	TR05822848	
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		06 Jun 2023	13 Apr 2023	
	Machine Age	yrs	Client Info		0	0	
	Oil Age	yrs	Client Info		0	7	
	Filter Age	yrs	Client Info		0	0	
	Oil Changed	,.0	Client Info		Changed	Not Changd	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				ATTENTION	ABNORMAL	
VEAR	Iron	ppm	ASTM D5185m	>200	26	94	
	Chromium		ASTM D5185m		0	1	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	<1	
	Titanium	ppm	ASTM D5185m	>10	0	<1	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>25	0	0	
	Lead	ppm	ASTM D5185m		0	0	
	Copper	ppm	ASTM D5185m		0	<1	
	Tin	ppm	ASTM D5185m		0	<1	
	Vanadium	ppm	ASTM D5185m		0	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	3	21	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0	2	
	Water		WC Method	>0.2	NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	▲ MODER	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
LUID CONDITION	Sodium	ppm	ASTM D5185m		<1	1	
The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.	Boron	ppm	ASTM D5185m		0	8	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		0	1	
	Manganese	ppm	ASTM D5185m		<1	3	
	Magnesium	ppm	ASTM D5185m		0	6	
	Calcium	ppm	ASTM D5185m		1	18	
	Phosphorus	ppm	ASTM D5185m		829	363	
	Zinc	ppm	ASTM D5185m		5	96	
	Sulfur	ppm	ASTM D5185m		924	4861	
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.26	0.65	
	()					26.5	





Laboratory Sample No.

Lab Number : 05874585 Unique Number: 10519688

: TR05874585

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

Received **Tested** Diagnosed Test Package : MOB 2 (Additional Tests: KV100)

: 17 Jun 2023 : 17 Jun 2023 - Don Baldridge

: 15 Jun 2023

9025 S CRAIG RD

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)

T:

F:

CHENEY, WA