

#### Machine Id GROVE 3784 (S/N 320463) Component Winch

GEAR OIL SAE 90 (--- GAL)

## RECOMMENDATION

Resample at the next service interval to monitor.

### **WEAR**

All component wear rates are normal.

## CONTAMINATION

There is no indication of any contamination in the oil.

# FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0034491		
Sample Date		Client Info		08 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		N/A		
Sample Status				NORMAL		
Iron	ppm	ASTM D5185m	>150	51		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>5	2		
Lead	ppm	ASTM D5185m	>15	<1		
Copper	ppm	ASTM D5185m	>80	13		
Tin	ppm	ASTM D5185m		<1		
Vanadium	ppm	ASTM D5185m		<1		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	nnm	ASTM D5185m	>25	4		
Potassium	ppm ppm	ASTM D5185m	>20	-		
Water	ppm	WC Method	>0.2	NEG		
Silt	scalar	*Visual	NONE	LIGHT		
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		
		v 150ai	20.2			
Sodium	ppm	ASTM D5185m		5		
Boron	ppm	ASTM D5185m	400	240		
Barium	ppm	ASTM D5185m	200	0		
Molybdenum	ppm	ASTM D5185m	12	<1		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m	12	5		
Calcium	ppm	ASTM D5185m	150	55		
Phosphorus	ppm	ASTM D5185m	1650	1919		
Zinc	ppm	ASTM D5185m	125	22		
Sulfur	ppm	ASTM D5185m	22500	27393		
Vice @ 40°C	~C+		100	444		

Visc @ 40°C

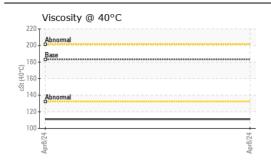
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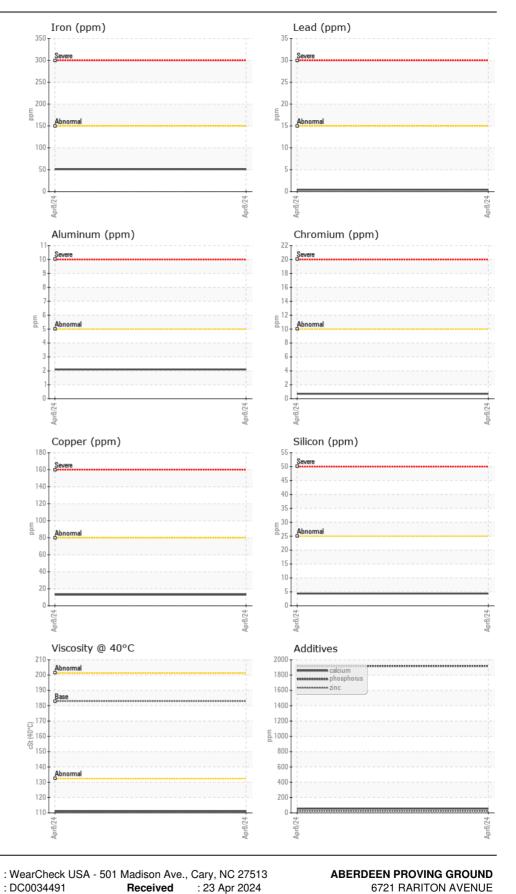
ASTM D445 183

Contact/Location: TONY DAVIS - CRAABEMD

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WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL







Diagnosed Unique Number : 10993461 : 24 Apr 2024 - Wes Davis Test Package : MOB 1 Contact: TONY DAVIS Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. tdavis@vacraneworks.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (410)688-1725 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Tested

: 24 Apr 2024

Laboratory

Sample No.

Lab Number : 06158038

Contact/Location: TONY DAVIS - CRAABEMD Page 2 of 2

ABERDEEN, MD

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