

WEAR CONTAMINATION FLUID CONDITION

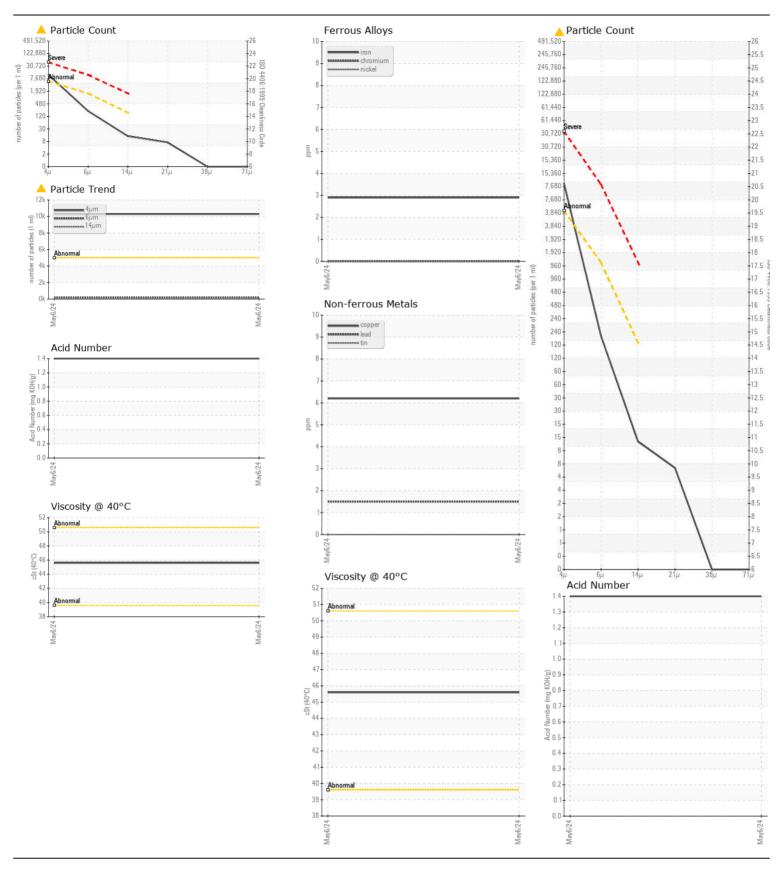
NORMAL

ABNORMAL

NORMAL



RECOMMENDATION Test UOM Method Limit/Abn Current	History1	History2
Sample Number Client Info RW000548	2	
The filter change at the time of sampling has been noted. We Sample Date Client Info 06 May 202	4	
recommend an early resample to monitor this condition. Machine Age hrs Client Info 1315		
Oil Age hrs Client Info 393		
Filter Age hrs Client Info 393		
Oil Changed Client Info Changed		
Filter Changed Client Info Changed		
Sample Status ABNORMA	L	
WEAD		
WEAR Iron ppm ASTM D5185m >20 3		
All component wear rates are normal. Chromium ppm ASTM D5185m > 10 0		
Ppili Asim Bilolii >10		
Titanium ppm ASTM D5185m 0		
Silver ppm ASTM D5185m 0		
Aluminum ppm		
Lead ppm ASTM D5185m >10 2		
Copper ppm ASTM D5185m >75 6		
Tin ppm ASTM D5185m >10 0		
Vanadium ppm ASTM D5185m 0		
White Metal scalar *Visual NONE NONE		
Yellow Metal scalar *Visual NONE NONE		
CONTAMINATION Silicon ppm ASTM D5185m >20 3		
Potassium ppm ASTM D5185m >20 <1		
There is a moderate amount of silt (particulates < 14 microns in size) Water WC Method >0.1 NEG		
present in the oil. Particles $>4\mu m$ ASTM D7647 >5000 \triangle 10296		
Particles >6μm ASTM D7647 >1300 190		
Particles >14μm		
Particles >21μm ASTM D7647 >40 6		
Particles >38µm ASTM D7647 >10 0		
Particles >71µm ASTM D7647 >3 0		
Oil Cleanliness ISO 4406 (c) >19/17/14 <u>21/15/1</u>	1	
Silt scalar *Visual NONE NONE		
Debris scalar *Visual NONE NONE		
Sand/Dirt scalar *Visual NONE NONE		
Appearance scalar *Visual NORML NORM	L	
Odor scalar *Visual NORML NORM	L	
Emulsified Water scalar *Visual >0.1 NEG		
FLUID CONDITION Sodium ppm ASTM D5185m 1		
The AN level is acceptable for this fluid. The oil is still serviceable		
provided that the contaminant(a) can be reduced to acceptable levels		
Molybdenum ppm A5 M D5 R5 M		
Manganese ppm ASTM D5185m <1		
Magnesium ppm ASTM D5185m 25		
Calcium ppm ASTM D5185m 1840		
Phosphorus ppm ASTM D5185m 936		
Zinc ppm ASTM D5185m 1030		
Sulfur ppm ASTM D5185m 3142		
Acid Number (AN) mg KOH/g ASTM D8045 1.40		
Visc @ 40°C cSt ASTM D445 45.6		





Certificate L2367

Laboratory Sample No.

Lab Number : 06176072 Unique Number : 11022125

: RW0005482

Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 May 2024 **Tested** : 14 May 2024

: 14 May 2024 - Wes Davis Diagnosed

HALLACK CONTRACTING, INC. 4223 W POLK

HART, MI US 49420 Contact: DAN HALLACK KARL BUTCHER

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. shop@hallackcontracting.com T: (231)873-5081

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: DAN HALLACK KARL BUTCHER - HALHAR