

LABORATORY ANALYSIS



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Department **FACILITIES**
Equipment No. **TRASH COMPACTOR (00003)**
System **Hydraulic System**
Oil Type **ENGINEERED LUBRICANTS ENLUBE 15-AW (--- GAL)**

DIAGNOSIS

All conditions are green. Continue use of Enlube 15-AW and filter element at this time. S levels are severe. WPC and I levels are abnormal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

Lab Number	New	2306-00908	---	---
Date of Sample	(Typical)	28 Jun 2023	---	---
Oil Added		UNK	---	---
Last Drain Date		--	---	---
Months on Sample		77.3	---	---
Last Filter Service		--	---	---
Sample Point		---	---	---
Sample Status		NORMAL	---	---

VISCOSITY @ 100F OR 40C (ASTM D-445)

SSU Vis. @ 100F	SSU	162.5	---	---
cSt Vis. @ 40C	cSt	32.0	31.40	---

COLOR (BASED ON ASTM D1500 STANDARDS)

Color	Scale 0-8	0.5	---	---
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PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>19/18/14	21/18/13	---	---
4 Micron & Larger	particles/ml	>5000	10,923	---	---
6 Micron & Larger	particles/ml	>2500	1,561	---	---
14 Micron & Larger	particles/ml	>160	57	---	---
21 Micron & Larger	particles/ml	>40	12	---	---
38 Micron & Larger	particles/ml	>10	1	---	---
70 Micron & Larger	particles/ml	>3	0	---	---

ICP - OILS (REPORTED IN PARTS PER MILLION)

Aluminum (Al)	ppm		<5	---	---
Antimony (Sb)	ppm		<5	---	---
Cadmium (Cd)	ppm		<5	---	---
Chromium (Cr)	ppm		<5	---	---
Cobalt (Co)	ppm		<5	---	---
Copper (Cu)	ppm		<5	---	---
Iron (Fe)	ppm		<5	---	---
Lead (Pb)	ppm		<5	---	---
Manganese (Mn)	ppm		<5	---	---
Molybdenum(Mo)	ppm		<5	---	---
Nickel (Ni)	ppm		<5	---	---
Silver (Ag)	ppm		<5	---	---
Tin (Sn)	ppm		<5	---	---
Titanium (Ti)	ppm		<5	---	---
Vanadium (V)	ppm		<5	---	---
Barium (Ba)	ppm		<5	---	---
Boron (B)	ppm		<5	---	---
Calcium (Ca)	ppm		115	---	---
Magnesium (Mg)	ppm		<5	---	---
Phosphorus(P)	ppm		552	---	---
Silicon (Si)	ppm		<5	---	---
Zinc (Zn)	ppm	668	666	---	---
Sulfur (S)	ppm		1,450	---	---

Customer Id: BACSTL
Sample No.: EN23060908
Lab Number: 23060908
Test Package: TEST



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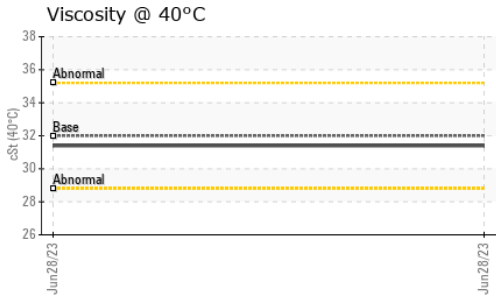
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OIL ANALYSIS REPORT



DR FERROGRAPHY READINGS

L		■ 23.2	---	---
S		■ 15.1	---	---
WPC	DL + DS	■ 38.3	---	---