

LABORATORY ANALYSIS



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MOMENTIVE TECHNOLOGIES
22557 LUNN RD
STRONGSVILLE, OH
United States 44149
Contact: Service Manager

Equipment No. **SAVAGE PRESS (00006)**
System **Hydraulic System**
Oil Type **ENGINEERED LUBRICANTS ENLUBE 25-AW (35 GAL)**

T:
F:

DIAGNOSIS

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The system and fluid cleanliness is acceptable. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

Lab Number	New	2311-00060	2302-00302	2206-00095
Date of Sample	(Typical)	30 Oct 2023	18 Jan 2023	03 Jun 2022
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		ABNORMAL	ABNORMAL	SEVERE

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

SSU Vis. @ 100F	SSU	340.1	339.2	340.8
cSt Vis. @ 40C	cSt	56	65.42	65.73

PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>19/17/14	18/16/12	22/20/16	21/19/15
4 Micron & Larger	particles/ml	>5000	1,971	21,842	11,240
6 Micron & Larger	particles/ml	>1300	396	6,560	3,076
14 Micron & Larger	particles/ml	>160	32	615	202
21 Micron & Larger	particles/ml	>40	9	165	58
38 Micron & Larger	particles/ml	>10	0	6	4
70 Micron & Larger	particles/ml	>3	0	0	1

ICP - OILS (REPORTED IN PARTS PER MILLION)

Aluminum (Al)	ppm	<5	<5	<5
Antimony (Sb)	ppm	<5	<5	<5
Cadmium (Cd)	ppm	<5	<5	<5
Chromium (Cr)	ppm	<5	<5	<5
Cobalt (Co)	ppm	<5	<5	<5
Copper (Cu)	ppm	<5	<5	5
Iron (Fe)	ppm	<5	<5	<5
Lead (Pb)	ppm	<5	<5	<5
Manganese (Mn)	ppm	<5	<5	<5
Molybdenum(Mo)	ppm	<5	<5	<5
Nickel (Ni)	ppm	<5	<5	<5
Silver (Ag)	ppm	<5	<5	<5
Tin (Sn)	ppm	<5	<5	<5
Titanium (Ti)	ppm	<5	<5	<5
Vanadium (V)	ppm	<5	<5	<5
Barium (Ba)	ppm	<5	<5	<5
Boron (B)	ppm	<5	<5	<5
Calcium (Ca)	ppm	80	53	18
Magnesium (Mg)	ppm	<5	<5	<5
Phosphorus(P)	ppm	532	352	253
Silicon (Si)	ppm	<5	<5	<5
Zinc (Zn)	ppm	668	425	272
Sulfur (S)	ppm	1545	3,170	1,890

DR FERROGRAPHY READINGS

L		3.0	1.3	37.4
S		1.6	1.0	26.9
WPC	DL + DS	4.6	2.3	64.3

Customer Id: ENC0121S01
Sample No.: EN23110060
Lab Number: 23110060
Test Package: TEST



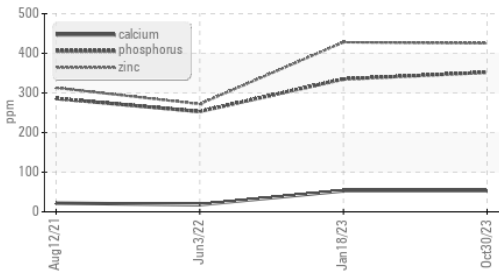
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OIL ANALYSIS REPORT

▲ Additives



CONTAMINATION

Water	>0.05	NEG	NEG	NEG
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Viscosity @ 40°C

