

LABORATORY ANALYSIS



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Department **WINDING**
 Equipment No. **TRANS09 DIP & BAKE CONVEYOR #3 (00016)**
 System **Transmission**
 Oil Type **ENGINEERED LUBRICANTS ENLUBE S-POLY-G-2188-WGO-X (--- GAL)**

COPELAND (MHDS)
 6001 S. 35TH STREET, SUITE D"
 REYNOSA, ZZ
 US
 Contact: GERARDO GUERRERO
 francisco.castillo@Copeland.com
 T:
 F:

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the component make and model with your next sample. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the fluid. The condition of the fluid is acceptable for the time in service.

Sample Information

Lab Number	New	2405-00138	2312-00753	2308-01090
Date of Sample	(Typical)	28 Apr 2024	14 Dec 2023	14 Aug 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		ATTENTION	ATTENTION	NORMAL

VISCOSITY INDEX (ASTM D445)

cSt Vis. @ 40C	cSt	460	455.3	455.2	457.7
SSU Vis. @ 100F	SSU		2,109.7	2,109.4	2,120.9
cSt Vis. @ 100C	cSt		75.84	75.78	76.34
SSU Vis. @ 210F	SSU		354.1	353.9	365.5
cSt Vis. @ 40C	cSt	460	455.3	455.2	457.7
SSU Vis. @ 40C	SSU		2,109.7	2,109.4	2,120.9
cSt Vis. @ 100C	cSt		75.84	75.78	76.34
SSU Vis. @ 100C	SSU		354.1	353.9	365.5
Viscosity Index			248	248	249

TOTAL ACID NUMBER (NEUT. NO.)(ASTM D974)

TAN, mg KOH/g	mg KOH/g	0.61	0.60	0.71	0.79
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Hiac Particle Count/ISO 4406

4 Micron & Larger	particles/ml	>640000	492,519	647,992	355,597
6 Micron & Larger	particles/ml	>80000	129,651	104,646	51,901
14 Micron & Larger	particles/ml	>2500	782	960	1,090
ISO Code	ISO 4406(c)	>26/23/18	26/24/17	27/24/17	26/23/17

ENERGY DISPERSIVE XRF - PPM (*BELOW MINIMUM DETECTION LIMIT)

Aluminum (Al)	ppm		*	*	*
Antimony (Sb)	ppm		*	*	*
Cadmium (Cd)	ppm		*	*	*
Chromium (Cr)	ppm		*	*	*
Cobalt (Co)	ppm		*	*	*
Copper (Cu)	ppm		*	*	*
Iron (Fe)	ppm		*	*	*
Lead (Pb)	ppm		*	*	*
Manganese (Mn)	ppm		*	*	*
Molybdenum(Mo)	ppm		*	*	*
Nickel (Ni)	ppm		*	*	*
Potassium (K)	ppm		*	*	*
Tin (Sn)	ppm		*	*	*
Titanium (Ti)	ppm		*	*	*
Vanadium (V)	ppm		*	*	*
Barium (Ba)	ppm		*	*	*
Calcium (Ca)	ppm		*	*	*
Magnesium (Mg)	ppm		*	*	*
Phosphorus(P)	ppm	957	720	739	839
Silicon (Si)	ppm		*	*	*
Zinc (Zn)	ppm		*	*	*
Chlorine (Cl)	ppm		*	*	*
Sulfur (S)	ppm	555	233	263	506

Customer Id: MOTMCA
 Sample No.: EN24050138
 Lab Number: 24050138
 Test Package: TEST

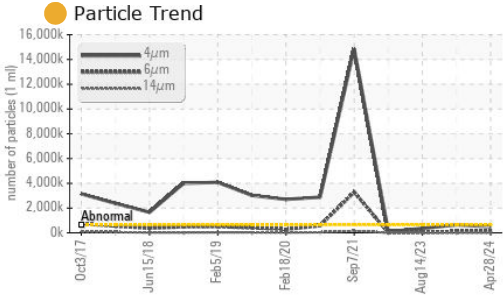


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OIL ANALYSIS REPORT



DR FERROGRAPHY READINGS

L		■ 29.0	■ 0.5	■ 23.5
S		■ 0.5	■ 0.5	■ 22.5
WPC	DL + DS	■ 29.5	■ 1	■ 46

Contamination

Water	>0.45	NEG	NEG	NEG
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