

TRANSMISSION POWER
EQUIP NUM: 402
SERIAL NUMBER: 1SL02028
SHIFT
CAT 966FII
No Action Required
Interpreted On: 16-Dec-25
H177-55350-0009

LABEL#: 1492993

SAMPLE SHIP TIME (days) : 7

NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

RECEIVED DATE: 16-Dec-25

SAMPLE INFORMATION

PREVIOUS SAMPLE

Wear Rate; Oil Condition and Particle Generated Analysis are acceptable for this sample. No action is required at this time. Please continue to build a reliable operating trend by sampling at the next regular scheduled service interval.

For additional sample history, go to:

[S.O.S WEB](#)
CONDITION / CONTAMINATION

	09-Dec-25	21-Feb-25	22-Mar-24	18-Jan-24
VISCOSITY (CENTISTOKES) ASTM D445				
V100 Viscosity at 100 C	14.80		14.63	8.79

INFRARED (UFM) ASTM E2412

	09-Dec-25	21-Feb-25	22-Mar-24	18-Jan-24
ST Soot	0			
OXI Oxidation	4	4	3	2
SUL Sulfate By-Product	14			
NIT Nitration	0	0	0	0

WEAR LEVELS / ADDITIVES

		09-Dec-25	21-Feb-25	22-Mar-24	18-Jan-24
ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]					
Cu	Copper	26	17	15	45
Fe	Iron	8	5	3	5
Cr	Chromium	0	0	0	0
Al	Aluminum	1	1	1	0
Pb	Lead	0	0	0	0
Sn	Tin	0		0	0
Si	Silicon	5		2	1
Na	Sodium	4	0	1	1
K	Potassium	0	3	1	0
Mo	Molybdenum	9	8	6	0
Ni	Nickel	0	0	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0		0	0
V	Vanadium	0		0	0
Mn	Manganese	0	0	0	0
Cd	Cadmium	0	0	0	0
Ca	Calcium	2211	2170	1960	56
P	Phosphorus	844	775	802	307
Zn	Zinc	1033		936	294
Mg	Magnesium	20	19	12	1
Ba	Barium	0	0	0	0
B	Boron	11	10	7	0

WATER

W	Water	N
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ANTIFREEZE

A	Antifreeze	N
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CLEANLINESS

		09-Dec-25	21-Feb-25	22-Mar-24	18-Jan-24
PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406					
ISO	ISO Code Rating	22/19/13	19/16/11	19/17/12	
4μ	4μ	22688	3251	3160	
6μ	6μ	2651	399	812	
10μ	10μ	304			
14μ	14μ	80	16	28	
21μ	21μ	16	4	5	
38μ	38μ	1	0	0	
70μ	70μ	0	0	0	

PQ Index

PQI	PQ Index		0	0	44
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SAMPLE INFORMATION

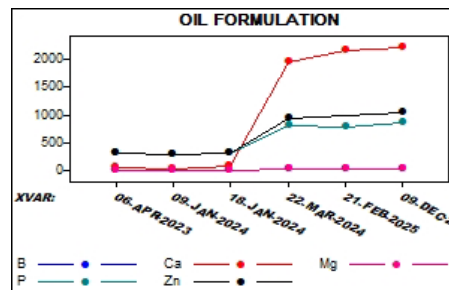
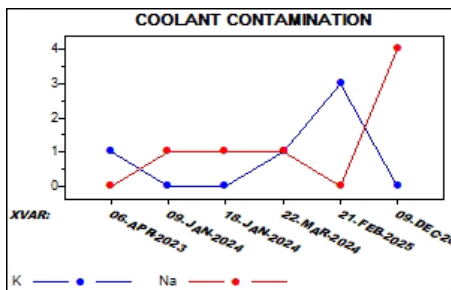
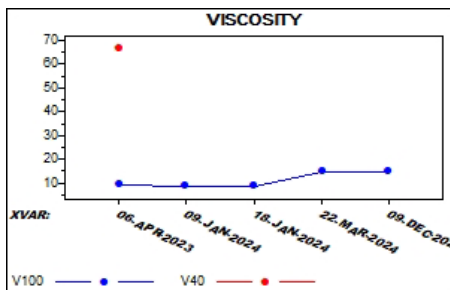
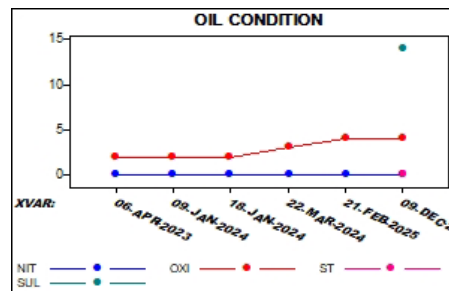
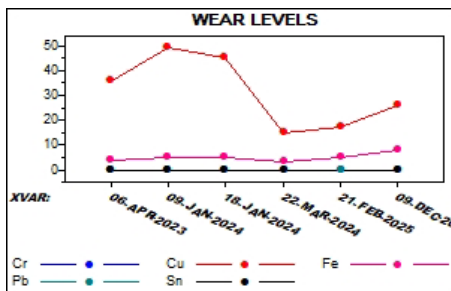
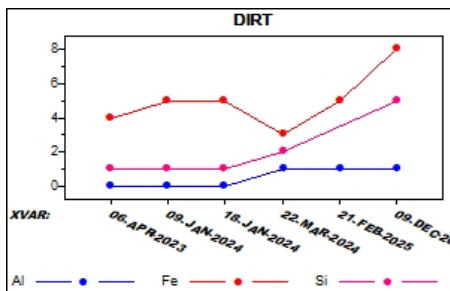


PARTCL VOL INDICATOR

PVI	PVI	1.10	0.11
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DEBRIS

Debri	Debris	N	No	No	Yes
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Report Comment

February 27, 2026, SOS Web functionality will transition to VisionLink®. Begin the transition to VisionLink now - Sign up or log in to vl.cat.com to update your settings, manage your fleet, configure your jobsites (groups) and notifications. Once the transition occurs on February 27, 2026, the following functionality will be available in VisionLink: submit samples, track samples, view and graph sample history, and view/download reports. SOS Web will no longer be available on March 2, 2026.