

LABORATORY ANALYSIS



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Department **NC**
Equipment No. **2032 SPINDLE (00053)**
System **Unknown Component**
Oil Type **MAKINO SPINDLE LUBRICANT (--- GAL)**

Diagnosis

Particle counts are slightly elevated but lower than the last sample. If filter element was replaced recently continue use to allow more time for filtration. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the sample. The condition of the sample is acceptable for the time in service.

Sample Information

Lab Number	New	2406-00853	2312-00178	2305-00746
Date of Sample	(Typical)	25 Jun 2024	01 Dec 2023	19 May 2023
Oil Added		UNK	UNK	UNK
Last Drain Date		--	--	--
Months on Sample		60.6	53.9	47.6
Last Filter Service		--	--	--
Sample Point		---	---	---
Sample Status		ATTENTION	ABNORMAL	SEVERE

VISCOSITY @ 100F or 40C (ASTM D445)

SSU Vis. @ 100F	SSU	33.5	33.4	33.19
cSt Vis. @ 40C	cSt	2.25	2.242	---

% WATER - RELATIVE HUMIDITY SENSOR (ASTM D7546)

% Water	%	0.014	0.005	0.007
ppm Water	ppm	140	50	70

PARTICLE COUNT (PER 1ML)

ISO CODE	ISO 4406(c)	>16/14/12	16/15/12	18/17/13	20/18/16
4 Micron & Larger	particles/ml	>640	489	2,356	5,422
6 Micron & Larger	particles/ml	>160	171	758	2,245
14 Micron & Larger	particles/ml	>40	29	69	399
21 Micron & Larger	particles/ml	>10	9	19	150
38 Micron & Larger	particles/ml	>3	1	0	12
70 Micron & Larger	particles/ml	>3	0	0	0

DR FERROGRAPHY READINGS

L		2.4	0.7	19.2
S		2.3	0.1	3.2
WPC	DL + DS	4.7	0.8	22.4

Customer Id: BACSTL
Sample No.: EN24060853
Lab Number: 24060853
Test Package: TEST



To manage this report scan the QR code

To discuss the diagnosis or test data:

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OIL ANALYSIS REPORT

