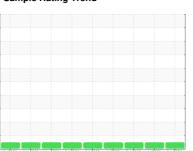


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Hardinge Lathe (FOF - Cores) #254 -cc4940

Hydraulic System

AW HYDRAULIC OIL ISO 32 (--- GAL)

Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Oct2020 Mac2021 Mac2021 Oct2021 Fab2022 Jul2022 Occ2022 Jul2023 Occ2023						
SAMPLE INFOR	MATION	l method	limit/base	current	history1	history2
Sample Number		Client Info		WC0887631	WC0837834	WC0768068
Sample Date		Client Info		10 Dec 2023	10 Jul 2023	05 Dec 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	1	1	<1
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	<1	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)	>20	0	0	0
Lead	ppm	ASTM D5185(m)	>20	<1	0	<1
Copper	ppm	ASTM D5185(m)	>20	1	<1	<1
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	<1	<1	<1
Barium	ppm	ASTM D5185(m)	5	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	5	0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	25	2	2	1
Calcium	ppm	ASTM D5185(m)	200	45	45	45
Phosphorus	ppm	ASTM D5185(m)	300	327	355	350
Zinc	ppm	ASTM D5185(m)	370	405	411	406
Sulfur	ppm	ASTM D5185(m)	2500	2099	2081	2143
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	2	2	2
Sodium	ppm	ASTM D5185(m)		1	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1
FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	423	1065	888
Particles >6µm		ASTM D7647	>1300	115	282	295
Particles >14µm		ASTM D7647	>160	8	26	23
Particles >21µm		ASTM D7647	>40	3	9	6
Particles >38µm		ASTM D7647	>10	1	1	1
Particles >71µm		ASTM D7647	>3	1	0	1

ISO 4406 (c) >19/17/14

16/14/10

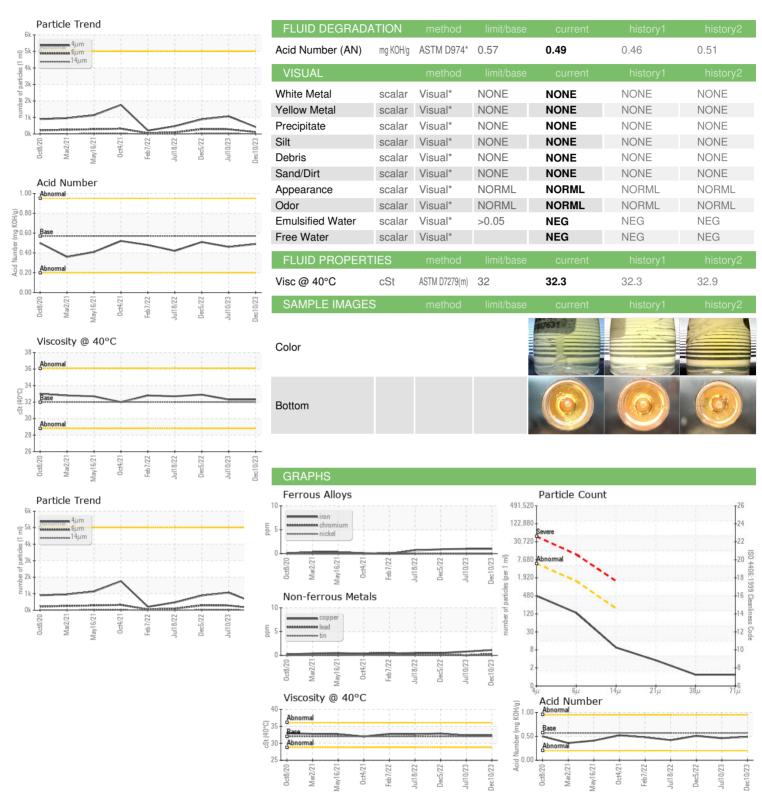
Oil Cleanliness

17/15/12

17/15/12



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number** Test Package

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 HUSKY INJECTION MOLDING SYSTEMS LTD : 02602273

: WC0887631 : 5695358

Received Diagnosed Diagnostician

: 11 Dec 2023 : 12 Dec 2023

: Wes Davis

530 QUEEN STREET SOUTH BOLTON, ON CA L7E 5S5

Contact: Robert Cameron rcameron@husky.ca

T: (905)951-5000 F: (905)951-5167

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Validity of results and interpretation are based on the sample and information as supplied.

: IND 2

Report Id: HUSBOLED [WCAMIS] 02602273 (Generated: 12/12/2023 09:34:01) Rev: 1

Submitted By: Robert Cameron