

OIL ANALYSIS REPORT

Area Shredder **ORU** (Oil Recirculate Unit)-Shredder

Hydraulic Power Pack

SHELL HYDRAULIC S1 M 68 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

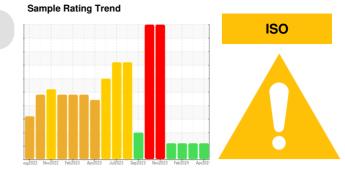
All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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



SAMPLE INFORMA	TION	method	limit/base	current	history1	history2
Sample Number		Client Info		PE0003612	PE0003615	PE0000747
Sample Date		Client Info		18 Apr 2024	21 Mar 2024	07 Feb 2024
Machine Age	nrs	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				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		24	33	21
Iron	opm	ASTM D5185m	>20	8	15	11
Chromium	opm	ASTM D5185m	>20	<1	0	<1
Nickel	opm	ASTM D5185m	>20	<1	0	<1
Titanium	opm	ASTM D5185m		<1	0	<1
Silver	opm	ASTM D5185m		<1	0	0
Aluminum	opm	ASTM D5185m	>20	3	0	2
Lead	opm	ASTM D5185m	>20	<1	0	<1
Copper	opm	ASTM D5185m	>20	3	2	3
Tin p	opm	ASTM D5185m	>20	<1	0	<1
Vanadium	opm	ASTM D5185m		<1	0	0
Cadmium	opm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	opm	ASTM D5185m		0	0	0
Barium	opm	ASTM D5185m		0	0	13
Molybdenum	opm	ASTM D5185m		<1	0	<1
Manganese	opm	ASTM D5185m		<1	0	<1
Magnesium	opm	ASTM D5185m		4	3	6
Calcium	opm	ASTM D5185m		39	51	47
Phosphorus	opm	ASTM D5185m		318	301	335
Zinc	opm	ASTM D5185m		377	342	359
Sulfur	opm	ASTM D5185m		830	897	906
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	opm	ASTM D5185m	>15	1	<1	<1
	opm	ASTM D5185m		0	<1	0
Potassium	opm	ASTM D5185m	>20	2	0	1
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	A 38171	205675	110481
Particles >6µm		ASTM D7647	>1300	<mark> </mark> 1930	4 1195	A 23306
Particles >14µm		ASTM D7647	>160	8	146	67
Particles >21µm		ASTM D7647	>40	2	6	3
•						

ASTM D7647 >10

ASTM D7647 >3

Particles >38µm

Particles >71µm

Oil Cleanliness

0

0

ISO 4406 (c) >19/17/14 **22/18/10**

1

0

▲ 24/22/13

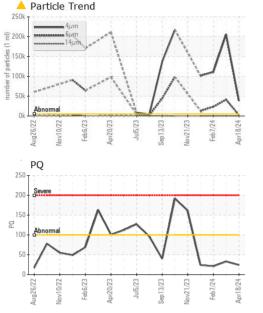
0

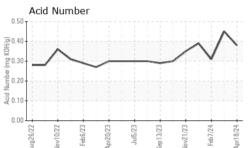
0

▲ 25/23/14



OIL ANALYSIS REPORT





Viscosity @ 40°C

80

7

() 70- B

성 65

60 - Abnorma

55

200

150

100

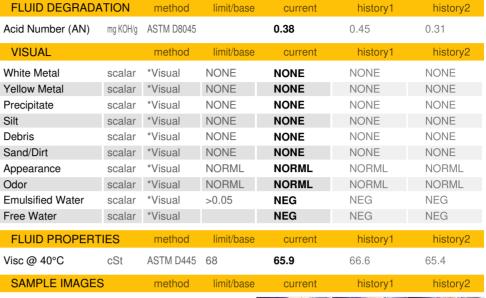
50

Aug26/22

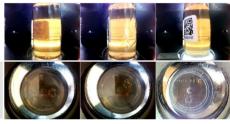
2

Aug26/22

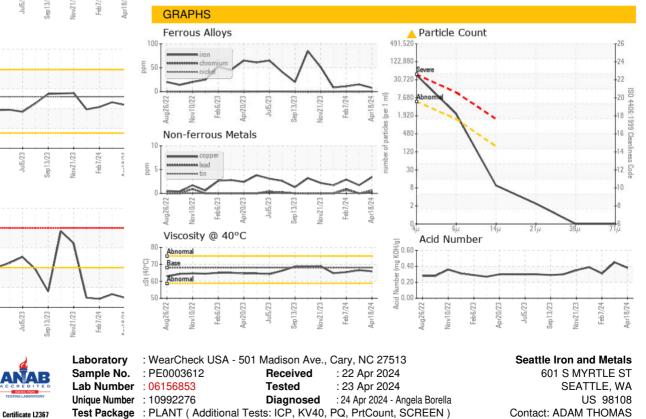
PQ



Color



Bottom



To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: SEASEAUS [WUSCAR] 06156853 (Generated: 04/24/2024 17:05:45) Rev: 1

Submitted By: DUANE DENOTTA

athomas@seairon.com

T: (206)682-0040

Page 2 of 2

E: