WEAR CONTAMINATION FLUID CONDITION

SEVERE ATTENTION NORMAL

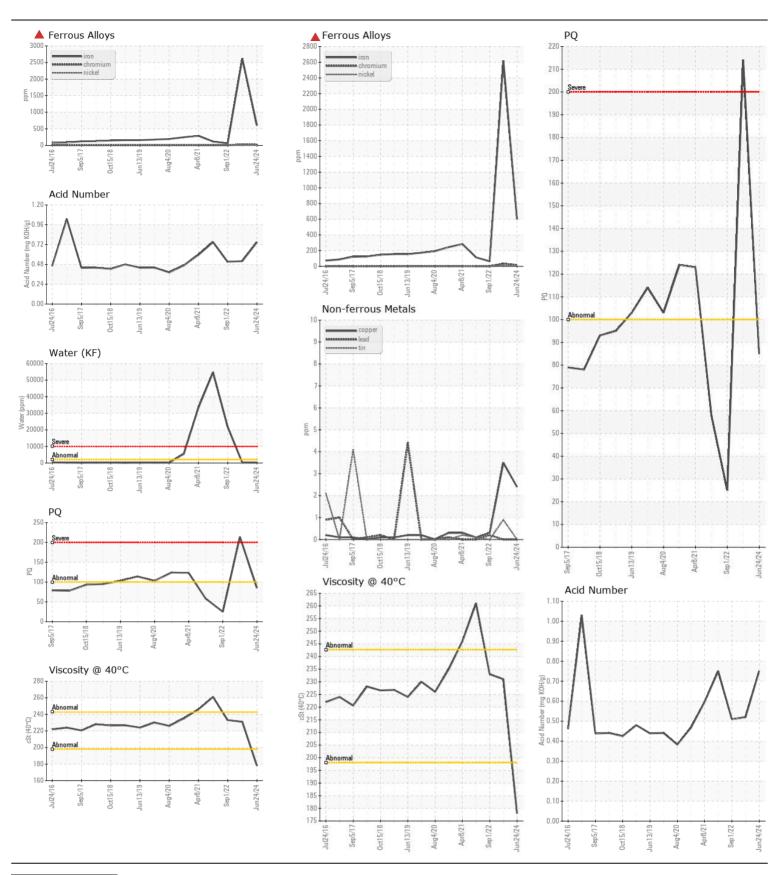
MELT SHOP BAG HOUSE (EAF151)

M/S BAG HOUSE (EAF151)- Chain Conveyor Chamber 1-6 (EAF 151) (S/N 15-6400-2000-2010)

Gearbox

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		RP0044103	RP0034456	RP002972
We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Date		Client Info		24 Jun 2024	11 May 2023	01 Sep 20
	Machine Age	hrs	Client Info		0	0	0
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				SEVERE	SEVERE	SEVERI
WEAR	PQ		ASTM D8184		85	214	25
Gear wear is indicated.	Iron	ppm	ASTM D5185m	>200	▲ 600	1 2621	63
	Chromium	ppm	ASTM D5185m	>15	<u> </u>	△ 33	<1
	Nickel	ppm	ASTM D5185m	>15	3	3	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m		0	0	<1
	Aluminum	ppm	ASTM D5185m	>25	5	5	<1
	Lead	ppm	ASTM D5185m	>100	0	0	<1
	Copper	ppm	ASTM D5185m	>200	2	4	<1
	Tin	ppm	ASTM D5185m	>25	0	<1	0
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NON
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NON
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	14	8	2
Appearance is hazy. There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	2	<1	1
	Water	%	ASTM D6304	>0.2	0.013	0.018	2.18
	ppm Water	ppm	ASTM D6304	>2000	130	185.2	1 2180
	Silt	scalar	*Visual	NONE	NONE	NONE	NON
	Debris	scalar	*Visual	NONE	LIGHT	NONE	NON
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NON
	Appearance	scalar	*Visual	NORML	HAZY	MILKY	MILK
	Odor	scalar	*Visual	NORML	NORML	NORML	NORI
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	▲ 0.2%
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	<1	0
The AN level is acceptable for this fluid.	Boron	ppm	ASTM D5185m		10	18	2
	Barium	ppm	ASTM D5185m		0	0	2
	Molybdenum	ppm	ASTM D5185m		273	<1	0
	Manganese	ppm	ASTM D5185m		9	9	1
	Magnesium	ppm	ASTM D5185m		10	0	1
	Calcium	ppm	ASTM D5185m		64	57	177
	Phosphorus	ppm	ASTM D5185m		581	370	258
	Zinc	ppm	ASTM D5185m		21	0	22
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.75	0.52	0.51

Submitted By: DALE ROBINSON







Certificate L2367

Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : RP0044103 : 06219782

Unique Number: 11097979

Received : 25 Jun 2024 **Tested**

: 28 Jun 2024 : 28 Jun 2024 - Jonathan Hester Diagnosed

Test Package : IND 2 (Additional Tests: PQ) 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)

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