

OIL ANALYSIS REPORT

Area HOTLINE/PUSHER FURNACES #2 PUSHER MAIN HYD SYS 1406-B10-0190

Hydraulic System

BENZ OIL ULTRA GUARD 552 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

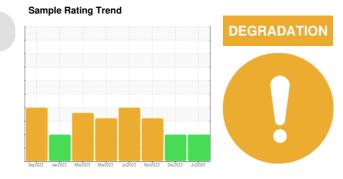
The tin level is abnormal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Fluid Condition

The AN level is above the recommended limit.



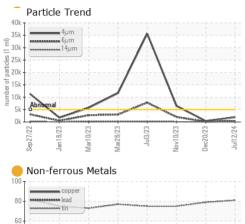
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0004511	KFS0003070	KFS0004830
Sample Date		Client Info		12 Jul 2024	20 Dec 2023	10 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	ATTENTION
CONTAMINATION	J	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 D5185m	>20	<1	2	0
Chromium	ppm	ASTM D5185m	>20	4	4	3
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	2	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	<1	0
Tin	ppm	ASTM D5185m	>20	8 1	79	75
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ррш			-	-	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		2	1	0
Calcium	ppm	ASTM D5185m		0	3	0
Phosphorus	ppm	ASTM D5185m		264	254	231
Zinc	ppm	ASTM D5185m		0	0	6
Sulfur	ppm	ASTM D5185m		1469	1309	1167
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	2	<1
Sodium	ppm	ASTM D5185m		<1	2	0
Potassium	ppm	ASTM D5185m	>20	0	<1	0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1912	430	6543
Particles >6µm		ASTM D7647		426	108	2028
Particles >14µm		ASTM D7647	>160	20	13	113
Particles >21µm		ASTM D7647		6	4	22
Particles >38µm		ASTM D7647	>10	1	0	1
Particles >71µm		ASTM D7647		1	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	ı 18/16/11	16/14/11	20/18/14
FLUID DEGRADA		method	limit/base		history1	
			minubase			history2
Acid Number (AN)	mg KOH/g	ASTM D8045		6.55	5.66	5 .23
(FFC)) Lloyd 1				Submitted	BV: COLD MILL	- Josh Edward

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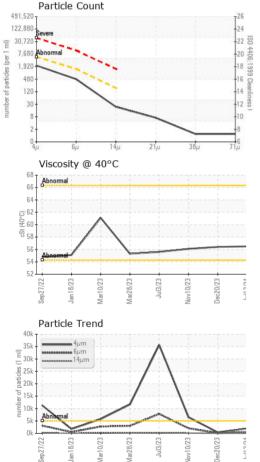
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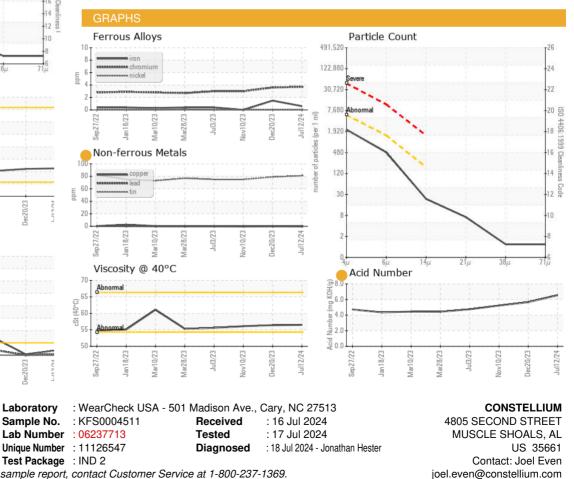






VISUAL		method	limit/base	current	history1	history2
VISUAL		methou	iiiiii/base	Current	mistory	mstoryz
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
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FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		56.5	56.4	56.1
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color						
			4			100

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)

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Certificate 12367

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