

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

Machine Id MASA 100 91 Component Hydraulic System Fluid AW HYDRAULIC OIL ISO 46 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

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

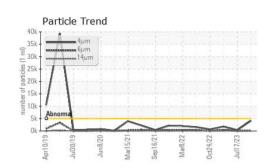
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

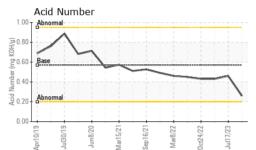
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0003390	PTK0004453	PTK0003877
Sample Date		Client Info		23 May 2024	17 Jul 2023	03 Mar 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	8	7
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>75	1	3	3
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	2	2
Molybdenum	ppm	ASTM D5185m	5	1	12	13
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	25	4	6	6
Calcium	ppm	ASTM D5185m	200	34	62	59
Phosphorus	ppm	ASTM D5185m	300	270	321	310
Zinc	ppm	ASTM D5185m	370	271	390	387
Sulfur	ppm	ASTM D5185m	2500	1106	2230	2172
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	0	4	4
Sodium	ppm	ASTM D5185m		1	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	4190	331	1793
Particles >6µm		ASTM D7647	>1300	138	58	387
Particles >14µm		ASTM D7647	>160	7	5	22
Particles >21µm		ASTM D7647	>40	2	2	4
Particles >38µm		ASTM D7647	>10	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/14/10	16/13/10	18/16/12
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.26	0.46	0.43
3:31:43) Bev: 1			Contac	t/Location . IOS		

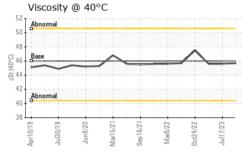
Contact/Location: JOSEPH BONNEMA - OLDTACWA

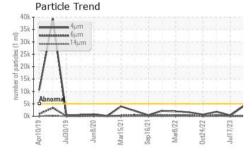


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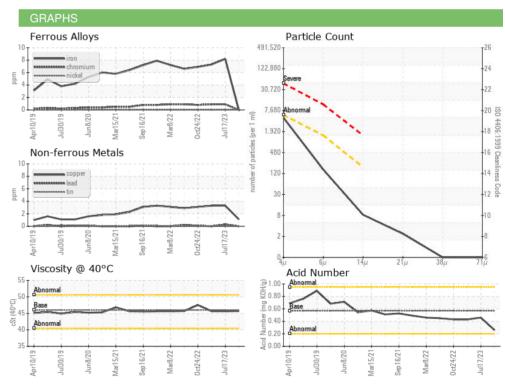








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
FLUID PROPERT Visc @ 40°C	IES cSt	method ASTM D445	limit/base 46	current 45.7	history1 45.6	history2 45.6
	cSt					
Visc @ 40°C	cSt	ASTM D445	46	45.7	45.6	45.6



OLDCASTLE - TACOMA Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : PTK0003390 Received : 03 Jun 2024 4110 192ND E Lab Number : 06197587 Tested : 04 Jun 2024 TACOMA, WA Unique Number : 11059710 Diagnosed : 04 Jun 2024 - Wes Davis US 98466 Test Package : MOB 2 Contact: JOSEPH BONNEMA Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. joseph.bonnema@oldcastle.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (708)705-9398 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: OLDTACWA [WUSCAR] 06197587 (Generated: 06/04/2024 13:31:43) Rev: 1

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