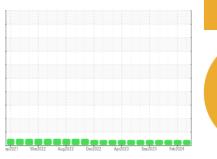


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id

TMC - P15 (S/N W102018)

Component
Hydraulic System

AW HYDRAULIC OIL ISO 68 (--- QTS)

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

Fluid Condition

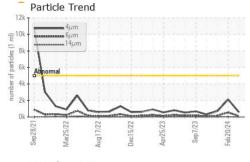
Viscosity of sample indicates oil is within ISO 46 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

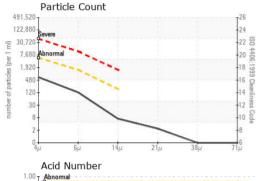
		ep2021 M	n2022 Aug2022 De	ec2022 Apr2023 Sep2023	Feb 2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0005490	PTK0005473	PTK0005087
Sample Date		Client Info		20 Apr 2024	20 Feb 2024	03 Jan 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	ATTENTION
CONTAMINATION	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	1	2	<1
Chromium	ppm	ASTM D5185m	>10	0	<1	0
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	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	5	4	5
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	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	25	<1	1	0
Calcium	ppm	ASTM D5185m	200	49	53	51
Phosphorus	ppm	ASTM D5185m	300	375	340	314
Zinc	ppm	ASTM D5185m	370	434	455	423
Sulfur	ppm	ASTM D5185m	2500	3045	3196	2664
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>20	<1	<1	<1
Sodium	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m		0	<1	0
FLUID CLEANLIN	IESS	method	limit/base		history1	history2
Particles >4µm		ASTM D7647	>5000	585	2122	719
Particles >6µm		ASTM D7647		109	546	152
Particles >14µm		ASTM D7647	>160	6	36	17
Particles >21µm		ASTM D7647		2	9	6
Particles >38µm		ASTM D7647		0	1	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness	T 1011	ISO 4406 (c)	>19/17/14	16/14/10	18/16/12	17/14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

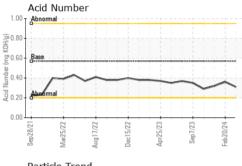


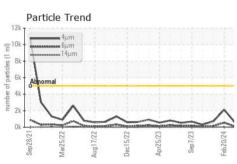
OIL ANALYSIS REPORT

SAMPLE IMAGES



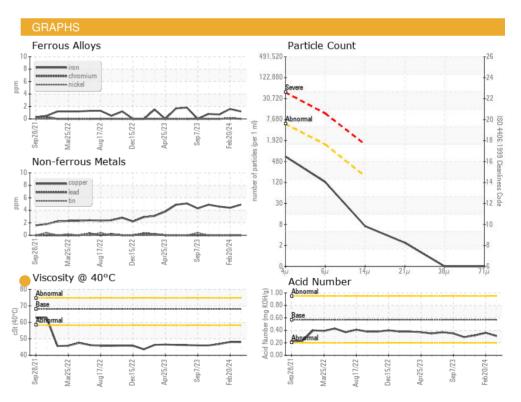






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	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	TIEC	method	limit/base	ourront	history1	hiotory?
FLUID PHOPEN I	IEO	method	IIIIII/base	current	nistory i	history2
Visc @ 40°C	cSt	ASTM D445	68	48.0	48.1	46.8

Color		
Bottom		







Certificate 12367

Sample No.

Lab Number : 06206448

: PTK0005490 Unique Number : 11073909

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Jun 2024 **Tested** : 13 Jun 2024

Diagnosed : 13 Jun 2024 - Don Baldridge

Test Package : MOB 2 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.

GENERAL PATTERN

3075 84TH LN NE BLAINE, MN US 55449

Contact: MIKE METHER mmether@generalpattern.com

T: F:

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