

## **OIL ANALYSIS REPORT**

Sample Rating Trend

### NORMAL

Machine Id

# INDEXER PUMP (S/N 156)

Hydraulic System Fluid {not provided} (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

#### 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.

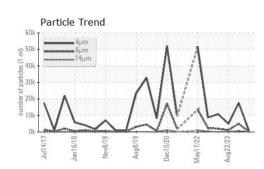
		ul2017 Jan	2018 Nov2018 Aug2	019 Dec2020 May2022 A	ug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0003382	PTK0004871	PTK0003372
Sample Date		Client Info		23 May 2024	13 Feb 2024	22 Aug 2023
Aachine Age	mths	Client Info		0	0	0
Dil Age	mths	Client Info		0	0	0
Dil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	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
ron	ppm	ASTM D5185m	>20	0	3	2
Chromium	ppm	ASTM D5185m	>10	0	<1	0
lickel	ppm	ASTM D5185m	>10	0	0	0
ītanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	2	<1
ead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>75	4	<1	1
īn	ppm	ASTM D5185m	>10	0	0	0
/anadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	3
lolybdenum	ppm	ASTM D5185m		89	137	157
langanese	ppm	ASTM D5185m		0	0	0
lagnesium	ppm	ASTM D5185m		0	1	<1
Calcium	ppm	ASTM D5185m		40	54	53
hosphorus	ppm	ASTM D5185m		407	416	431
linc	ppm	ASTM D5185m		395	399	432
Sulfur	ppm	ASTM D5185m		1260	1270	1467
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	0	5	3
Sodium	ppm	ASTM D5185m		1	0	0
Potassium	ppm	ASTM D5185m	>20	0	1	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		812	17653	4941
Particles >6µm		ASTM D7647		211	<b>4970</b>	1101
Particles >14µm		ASTM D7647	>320	11	619	108
Particles >21µm		ASTM D7647		2	<u> </u>	31
Particles >38µm		ASTM D7647	>20	0	4	0
Particles >71µm		ASTM D7647		0	0	0
Dil Cleanliness		ISO 4406 (c)	>18/15	15/11	9/16	17/14
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.52	0.51	0.62
01.00) Dave 1			0			

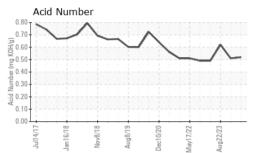
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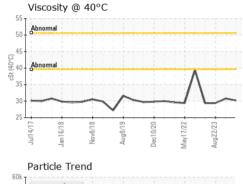
Contact/Location: SUTTON CHRISTIANSON - MUTKEN

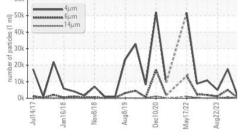


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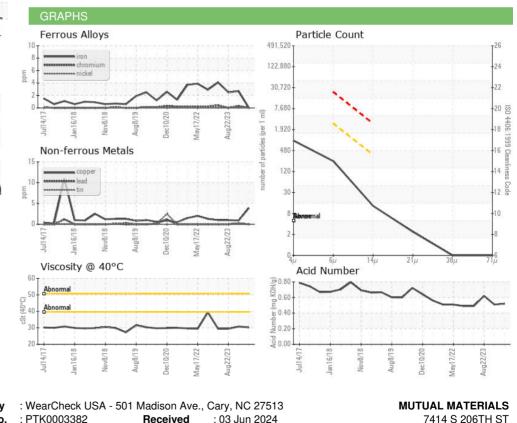


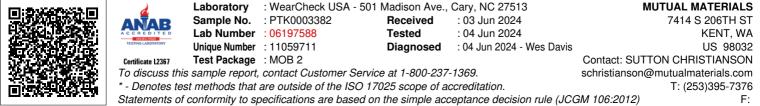






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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
Visc @ 40°C	cSt	ASTM D445		30.2	30.8	29.4
Visc @ 40°C SAMPLE IMAGES		ASTM D445 method	limit/base	30.2 current	30.8 history1	29.4 history2
-			limit/base			-





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