

# **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL

Machine Id

# **TOLO TRUE AW 46 ZF 070924**

Hydraulic System

TRUE AW 46 ZF (--- GAL)

## DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

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

				Jul2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0123453		
Sample Date		Client Info		09 Jul 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METAI	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	0		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		4		
Phosphorus	ppm	ASTM D5185m		397		
Zinc	ppm	ASTM D5185m		8		
Sulfur	ppm	ASTM D5185m		1970		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.05	NEG		
FLUID CLEAN	ILINESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>640	178		
Particles >6µm		ASTM D7647	>160	40		
Particles >14µm		ASTM D7647	>40	9		
Particles >21µm		ASTM D7647	>10	2		
Particles >38µm		ASTM D7647	>3	0		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>16/14/12	15/12/10		
FLUID DEGRA	NOLTA CI	method	limit/base	current	history1	history2
TEOID DEGNA	אוטרואשו	methou	- IIIIII/Dase	Current	HISTORY	HISTOLYZ

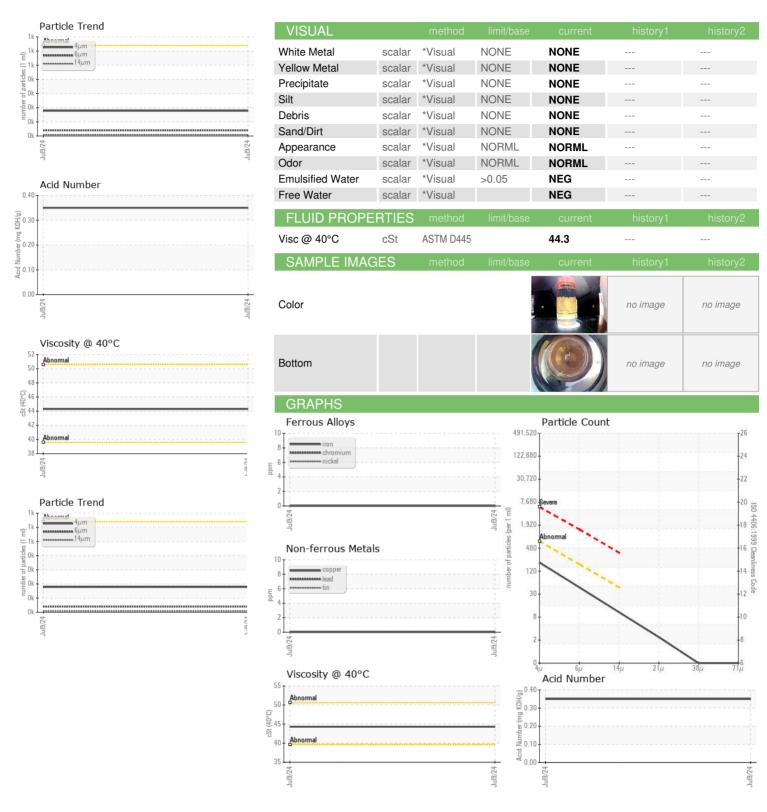
Acid Number (AN)

mg KOH/g ASTM D8045

0.35



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Certificate 12367

Laboratory Sample No.

Lab Number : 06234850 Unique Number : 11123684

: PCA0123453 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Jul 2024 **Tested** : 15 Jul 2024

Diagnosed : 15 Jul 2024 - Don Baldridge

FRANKLIN, IN US 46131 Contact: RANDY BROWN randy.brown@tocinc.com

**THOMAS OIL CO** 

3070 RJ PARKWAY

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)

Report Id: THOFRA [WUSCAR] 06234850 (Generated: 07/15/2024 12:58:51) Rev: 1

Contact/Location: RANDY BROWN - THOFRA

T:

F: