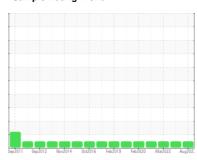


## **OIL ANALYSIS REPORT**

### **Sample Rating Trend**



NORMAL



# 757-2 SIMULATOR

Component

Hydraulic System

SHELL TELLUS S3 M 46 (500 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.

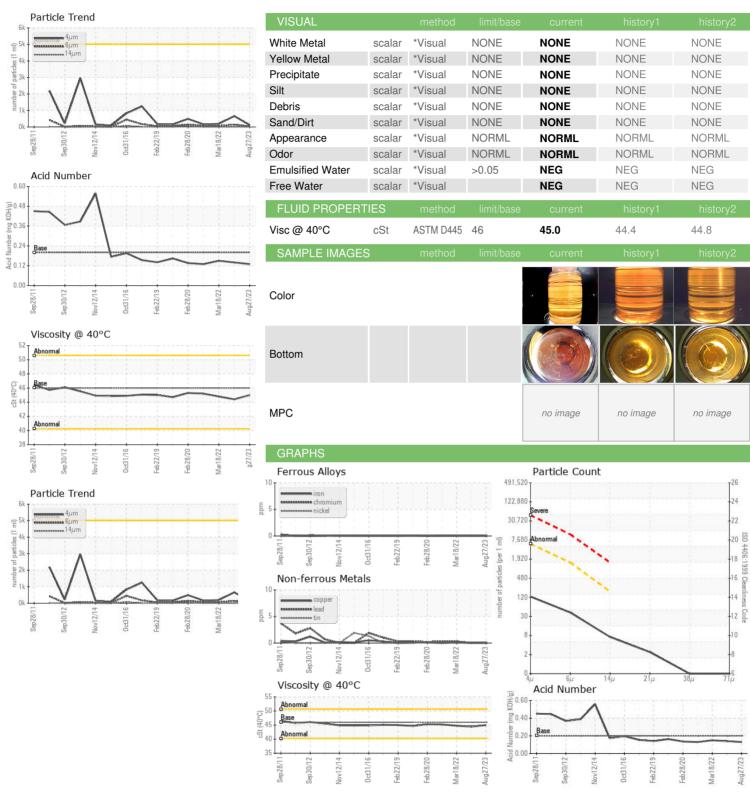
#### **Fluid Condition**

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

Sup2011 Sup2012 Nov2014 Oz2016 Feb2019 Feb2020 Muz0222 Aug2022						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0803906	WC0784098	WC0635873
Sample Date		Client Info		27 Aug 2023	21 Mar 2023	18 Mar 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>20	<1	0	0
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	0	0	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
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	<1	0
Magnesium	ppm	ASTM D5185m		0	4	<1
Calcium	ppm	ASTM D5185m	55	41	42	44
Phosphorus	ppm	ASTM D5185m	60	48	44	50
Zinc	ppm	ASTM D5185m	0	9	13	9
Sulfur	ppm	ASTM D5185m	180	182	0	169
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	<1	0
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	111	660	194
Particles >6µm		ASTM D7647	>1300	35	138	63
Particles >14μm		ASTM D7647	>160	6	9	6
Particles >21µm		ASTM D7647	>40	2	3	2
Particles >38μm		ASTM D7647	>10	0	0	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	14/12/10	17/14/10	15/13/10
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.2	0.13	0.14	0.15



## **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number **Unique Number** 

Test Package

: WC0803906 : 05938836 : 10629448 : IND 2

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 30 Aug 2023 Received Diagnosed : Wes Davis Diagnostician

: 31 Aug 2023

**DENTK UNITED AIRLINES** 7401 MARTIN LUTHER KING BLVD. DENVER, CO

US 80207 Contact: Mike Huff Mike.Huff@united.com T: (303)780-5901

\* - 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)