

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# UNIT 11 (S/N 5960) Hydraulic System

## CHEVRON RANDO HD 46 (106 GAL)

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

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

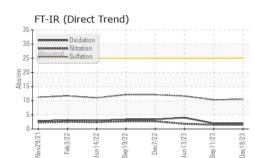
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service. Color L3.5

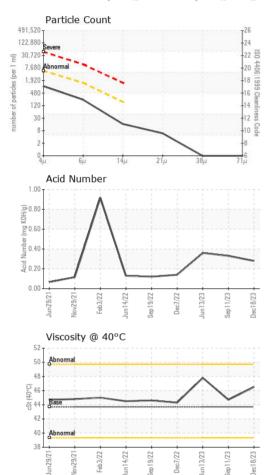
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0792221	WC0792216	WC0753787
Sample Date		Client Info		18 Dec 2023	11 Sep 2023	13 Jun 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	0	0
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	0	<1
Lead	ppm	ASTM D5185m	>20	1	0	0
Copper	ppm	ASTM D5185m	>20	1	<1	<1
Tin	ppm	ASTM D5185m	>20	1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	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		<1	2	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		<1	21	0
Calcium	ppm	ASTM D5185m		36	42	32
Phosphorus	ppm	ASTM D5185m		278	266	260
Zinc	ppm	ASTM D5185m		326	329	327
Sulfur	ppm	ASTM D5185m		936	880	1076
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	<1	<1
Sodium	ppm	ASTM D5185m		0	1	<1
Potassium	ppm	ASTM D5185m	>20	2	1	<1
Water	%	ASTM D6304	>0.05	NEG	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0.1
Nitration	Abs/cm	*ASTM D7624		1.5	1.5	1.8
Sulfation	Abs/.1mm	*ASTM D7415		10.5	10.3	11.6
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	912	189	170
Particles >6µm		ASTM D7647		203	53	58
Particles >14µm		ASTM D7647	>160	14	6	9
Particles >21µm		ASTM D7647		5	2	3
Particles >38µm		ASTM D7647	>10	0	1	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness 14:09:55) Rev: 1		ISO 4406 (c)	>19/17/14	17/15/11 Contact/Locati	15/13/10 on: JON RIVER	15/13/10 A - CHUANCSP Page 1 of 2

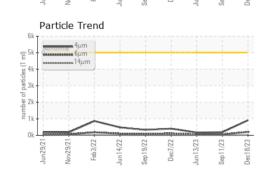


# **OIL ANALYSIS REPORT**

FLUID DEGRADATION









Color

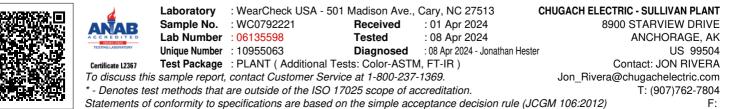
Silt

Debris

Odor

#### Bottom





Contact/Location: JON RIVERA - CHUANCSP

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