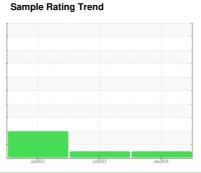


# **OIL ANALYSIS REPORT**

# [178746-N2STV4W] WESTERN INTEGRATED TECH HPU PN 159 (S/N 9089818)

**Hydraulic System** 

MIL-PRF-83282 (--- GAL)





### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Chlorine 19.0 ppm. Updated for chlorine reading.

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.

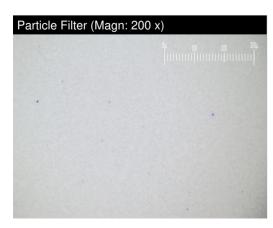
### **Fluid Condition**

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH06075279	PH05918132	PH05918133
Sample Date		Client Info		26 Jan 2024	29 Jul 2023	28 Jul 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		25	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
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	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<1	0	0
Lead	ppm	ASTM D5185m	>20	0	<1	<1
Copper	ppm	ASTM D5185m	>20	0	0	0
Tin	ppm	ASTM D5185m	>20	<1	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		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		75	100	100
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		86	44	34
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	3	0	0
Water	%	ASTM D6304	>0.05	0.014	0.028	0.025
ppm Water	ppm	ASTM D6304	>500	140	284.0	251.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	1019	1445	<u>^</u> 27623
Particles >6µm		ASTM D7647	>2500	246	563	<b>▲</b> 8174
Particles >14µm		ASTM D7647	>320	18	43	<b>▲</b> 537
Particles >21µm		ASTM D7647	>80	4	9	<b>▲</b> 138
Particles >38µm		ASTM D7647	>20	^	1	7
r artiolog z copini		A311VI D7047	>20	0	ı	/
Particles >71µm		ASTM D7647		0	0	0

ISO 4406 (c) >20/18/15

mg KOH/g ASTM D8045 0.1



Oil Cleanliness

Acid Number (AN)

FLUID DEGRADATION

0.08

18/16/13

17/15/11

0.045

**22/20/16** 

0.06



## **OIL ANALYSIS REPORT**

