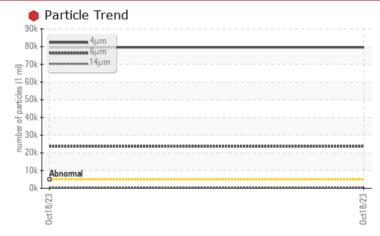


NO UNIT 02590296

Hydraulic System Fluid TDH FLUID SAE 75W80 (--- LTR)

COMPONENT CONDITION SUMMARY



Non-ferrous Metals

40		
35	copper lead	1
30	minimum tin	
25		1
표 20		-
15		
10		
5		
0		1 c7/0
		UCTI 0/23

RECOMMENDATION

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDH FLUID SAE 75W80. Please confirm. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Customer Id: LAKTIM Sample No.: WC Lab Number: 02590296 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 <u>Kevin.Marson@wearcheck.com</u>

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 <u>gloria.gonzalez@wearcheck.com</u>

PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	
Particles >4µm	ASTM D7647	>5000	e 79591	
Particles >6µm	ASTM D7647	>1300	e 23614	
Particles >14µm	ASTM D7647	>160	<u> </u>	
Oil Cleanliness	ISO 4406 (c)	>19/17/14	• 23/22/16	



RECOMMENDED AG	MMENDED ACTIONS					
Action	Status	Date	Done By	Description		
Change Filter			?	We recommend you service the filters on this component.		
Resample			?	Resample in 30-45 days to monitor this situation.		
Alert			?	Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment.		
Information Required			?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.		
Check Breathers			?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.		
Check Seals			?	Check seals and/or filters for points of contaminant entry.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

ISO

 \mathbf{X}

Machine Ic **NO UNIT 02590296** Component

Hydraulic System TDH FLUID SAE 75W80 (--- LTR)

DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDH FLUID SAE 75W80. Please confirm. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

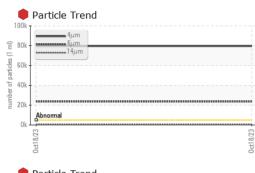
				0ct2023		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		wc		
Sample Date		Client Info		18 Oct 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				SEVERE		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	5		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		<1		
Aluminum	ppm	ASTM D5185(m)	>20	2		
Lead	ppm	ASTM D5185(m)	>20	1		
Copper	ppm	ASTM D5185(m)		40		
Fin	ppm	ASTM D5185(m)	>20	0		
Antimony	ppm	ASTM D5185(m)	0	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	10	99		
Barium	ppm	ASTM D5185(m)	10	1		
Volybdenum		ASTM D5185(m)	10	، <1		
	ppm	ASTM D5185(m)	10	< 1		
Vanganese	ppm		100	24		
Magnesium	ppm	ASTM D5185(m)	100			
Calcium	ppm	ASTM D5185(m)	3500	3491		
Phosphorus	ppm	ASTM D5185(m)	1150	1090		
Zinc	ppm	ASTM D5185(m)	1150	1378		
Sulfur	ppm	ASTM D5185(m)	5000	2608		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	12		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	<1		
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	e 79591		
Particles >6µm		ASTM D7647	>1300	e 23614		
Particles >14µm		ASTM D7647	>160	<u> </u>		
Particles >21µm		ASTM D7647	>40	37		
Particles >38µm		ASTM D7647	>10	2		
Particles >71µm		ASTM D7647		2		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	23/22/16		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	mg KOH/g	ASTM D974*	2.25	1.40		
	ing itoring	.101110014		1.40		

Report Id: LAKTIM [WCAMIS] 02590296 (Generated: 10/20/2023 11:32:59) Rev: 1

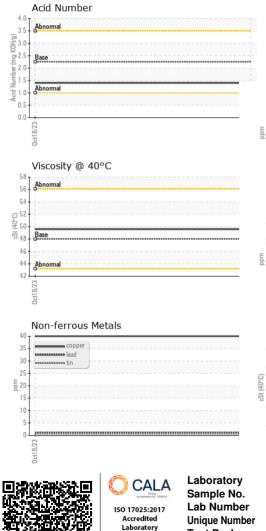
Contact/Location: Dale Arseneau - LAKTIM



OIL ANALYSIS REPORT







VISUAL		method	limit/base	current	history1	history2
Vhite Metal	scalar	Visual*	NONE	NONE		
ellow Metal	scalar	Visual*	NONE	NONE		
recipitate	scalar	Visual*	NONE	NONE		
ilt	scalar	Visual*	NONE	VLITE		
	scalar	Visual*	NONE	NONE		
	scalar	Visual*	NONE	NONE		
	scalar	Visual*	NORML	NORML		
	scalar	Visual*	NORML	NORML		
	scalar	Visual*	>0.05	NEG		
ree Water	scalar	Visual*		NEG		
FLUID PROPERTI	ES	method	limit/base	current	history1	history2
′isc @ 40°C	cSt	ASTM D7279(m)	48	49.6		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image
GRAPHS						
Ferrous Alloys				Particle Count		1
iron			491,52	, I		T ²⁶
nickel			122,880			-24
			30,72	Severe		-22
<u>e</u>			7,68	Abnormal		-20
0ct18/23			0ct18/23 (per 1 ml)			-18 -16 -14
_			0)) sappu 10 481		<u>\</u>	10
Non-ferrous Metals			0ct18/23 1921 - 1,921 1211 - 1,921	1		-16
copper			ja 120	-		-14
tin			²			-12
				3-		10
3/23			3/23	2-		
0ct18/2:			0ct18/23			6
Viscosity @ 40°C				Acid Number	14μ 21μ	38µ 71µ
Ahnomal			<u>,</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Abnormal			1.0 1.1 1.1 2.1 1.1 2.1 1.1 2.1 1.1 2.1 1.1 2.1 1.1 1			
Base			 	Base		
Abnormal			2 1.0	Abnormal		
Abnormal			0.0 A Cid	1		
23						502
20			0ct18/23	0ct18/23		
0ct18/23			0	-		
VearCheck - C8-117			lington, ON L		akeshore Gold	
VearCheck - C8-117 VC R	5 Apple eceived	1 : 19 (akeshore Gold	

F:

Contact: Dale Arseneau

T: (705)269-4344