



WEAR CONTAMINATION FLUID CONDITION

ABNORMAL ABNORMAL NORMAL

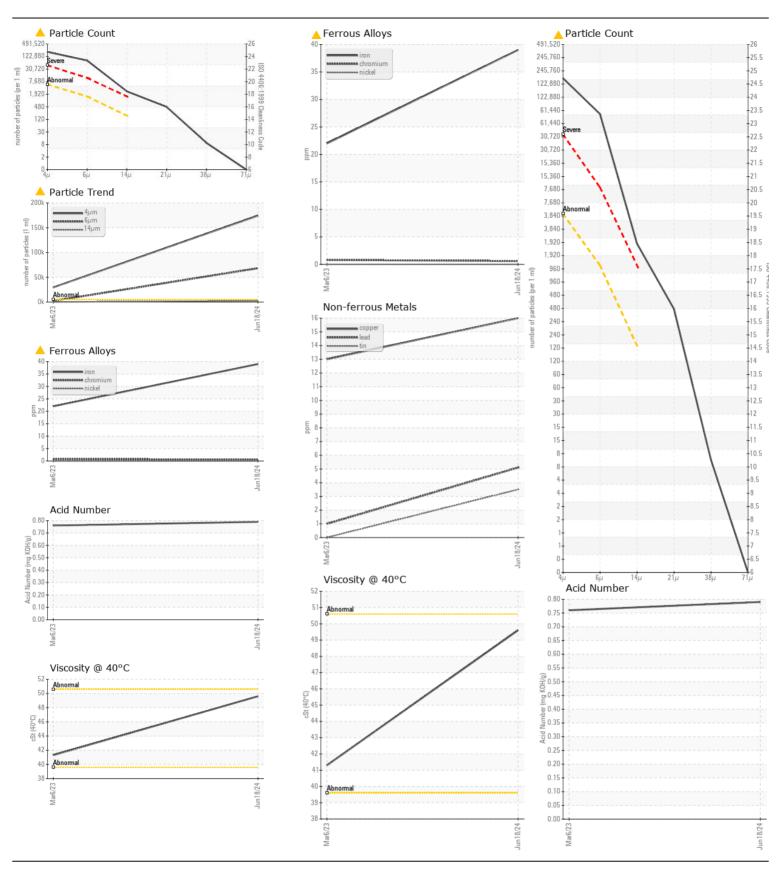
Area

Store 3 - Norton

CATERPILLAR D6T LGP D19 (S/N H700641)

Hydraulic System

Test	{not provided} (GAL)							
We recommend you service the filters on this component. Resample at the next service interval to monitor.	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	Historv2
Machine Age	TEGGIIIII ENDATION						,	,
the next service interval to monitor. Machine Age Ins Collent Info 0 0 3971		Sample Date						
Oil Age		·	hrs	Client Info		0	3971	
Filter Age Piss Client Info Not Changed Changed		•	hrs			0	3971	
Oil Changed Client Info Not Changed			hrs	Client Info		0	0	
Filter Changed Sample Status		•		Client Info		Not Changd	Not Changd	
NEAR PQ				Client Info		Not Changd	Changed	
Iron		Sample Status				ABNORMAL	_	
Iron	WEAR	PQ		ASTM D8184		38	11	
Chromium ppm ASTM D5185m >10	WEAT		mag		>20			
Nickel ppm ASTM D5185m >10 0 0 0 0 0 0 0 0 0	The iron level is abnormal. All other component wear rates are normal.							
Titanium ppm ASTM 05185m 0 <1								
Silver ppm ASTM D5185m >10 6 5					>10			
Aluminum ppm ASTM D5185m 10 6 5 5								
Lead ppm ASTM DS185m >10 5 1					>10			
Copper								
Tin							·	
Vanadium								
White Metal Yellow Metal Yolsual NONE NONE NONE NONE NONE NONE NONE NON					>10			
Vellow Metal Scalar Visual NONE N					NONE	-		
Silicon ppm ASTM D5185m ≥20 12 8								
Potassium ppm ASTM D5185m 20 2 2 2 2 2 2 2 2	<u></u>			visuai	INOINL	INOINE	INOINL	
There is a high amount of particulates present in the oil. Water Particles >4μm ASTM D7647 5000 174372 29443 · · · Particles >54μm ASTM D7647 3100 △ 68238 2180 · · · Particles >34μm ASTM D7647 3100 △ 2999 115 · · · · Particles >34μm ASTM D7647 3100 △ 2999 115 · · · · Particles >34μm ASTM D7647 3100 △ 2999 115 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2999 315 · · · · Particles >34μm ASTM D7647 3100 △ 2099 315 · · · · Particles >34μm ASTM D7647 3100 △ 2099 315 · · · · Particles >34μm ASTM D7647 3100 △ 2099 315 · · · · Particles >34μm ASTM D7647 3100 △ 2099 315 · · · · Particles >34μm ASTM D7647 3100 △ 2099 315 · · · · Particles >34μm ASTM D7647 3100 △ 2099 315 · · · · Particles >34μm ASTM D7647 3100 △ 2099 315 · · · · · Particles >34μm ASTM D7647 3100 △ 3100 △ 3100 △ 3100 △ 3100 △ 3100 △ 3100 △ 3100 △ 3100 △ 3100 △ 3100 △ 3100 △ 3100	CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	12	8	
Particles >4µm		Potassium	ppm	ASTM D5185m	>20	2	2	
Particles >6µm ASTM D7647 >1300 ▲ 68238 ● 2180 Particles >14µm ASTM D7647 >160 ▲ 2299 115 Particles >21µm ASTM D7647 >100 ▲ 415 15 Particles >38µm ASTM D7647 >10 & 8 1 Particles >71µm ASTM D7647 >10 & 8 1 Particles >71µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >1917/14 ▲ 25/23/18 ▲ 22/18/14 Silt scalar *Visual NONE	There is a high amount of particulates present in the oil.	Water		WC Method	>0.1	NEG	NEG	
Particles >14µm		Particles >4µm		ASTM D7647	>5000	174372	<u>29443</u>	
Particles >21µm Particles >21µm Particles >21µm Particles >38µm ASTM D7647 >40		Particles >6µm		ASTM D7647	>1300	68238	2180	
Particles >38μm ASTM D7647 >10 8 1 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness Silt Sod406 (c) 5/19/714 ASTM D7647 >3 0 0 0 Silt Sod406 (c) 5/19/714 ASTM D7647 >3 0 0 0 ASTM D7647 >4 25/23/18 ASTM D5185m NONE N		Particles >14μm		ASTM D7647	>160	2299	115	
Particles >71 μm		Particles >21μm		ASTM D7647	>40	415	15	
Oil Cleanliness ISO 4406 (c) x1917/14		Particles >38μm		ASTM D7647	>10	8	1	
Silt scalar *Visual NONE NORML		Particles >71μm				0	0	
Debris Scalar *Visual NONE		Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>25/23/18</u>	<u>22/18/14</u>	
Sand/Dirt Scalar *Visual NONE NONE Appearance Scalar *Visual NORML NOR		Silt	scalar	*Visual	NONE	NONE	NONE	
Appearance Scalar *Visual NORML NORM		Debris	scalar	*Visual	NONE	NONE	NONE	
Codor Scalar Visual NORML NO		Sand/Dirt	scalar	*Visual		NONE	NONE	
Emulsified Water scalar *Visual >0.1 NEG NEG		Appearance	scalar		NORML	NORML	NORML	
Sodium ppm ASTM D5185m 2 0		Odor	scalar	*Visual	NORML	NORML		
Boron ppm ASTM D5185m 0 0 0 0 0 0 0 0 0		Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
Boron ppm ASTM D5185m 0 0 0 0 0 0 0 0 0	FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	0	
Suitable for further service. Molybdenum ppm ASTM D5185m 0 <1 Manganese ppm ASTM D5185m <1 <1 Magnesium ppm ASTM D5185m 6 4 Calcium ppm ASTM D5185m 1326 446 Phosphorus ppm ASTM D5185m 779 640 Zinc ppm ASTM D5185m 904 805 Sulfur ppm ASTM D5185m 2710 2028 Acid Number (AN) mg KOH/g ASTM D8045 0.79 0.76		Boron	ppm	ASTM D5185m		0	0	
Molybderium ppm ASTM D5185m C C Manganese ppm ASTM D5185m C C Magnesium ppm ASTM D5185m 6 4 Calcium ppm ASTM D5185m 1326 446 Phosphorus ppm ASTM D5185m 779 640 Zinc ppm ASTM D5185m 904 805 Sulfur ppm ASTM D5185m 2710 2028 Acid Number (AN) mg K0H/g ASTM D8045 0.79 0.76	•	Barium	ppm	ASTM D5185m		0	0	
Magnesium ppm ASTM D5185m 6 4 Calcium ppm ASTM D5185m 1326 446 Phosphorus ppm ASTM D5185m 779 640 Zinc ppm ASTM D5185m 904 805 Sulfur ppm ASTM D5185m 2710 2028 Acid Number (AN) mg KOH/g ASTM D8045 0.79 0.76		Molybdenum	ppm	ASTM D5185m		0	<1	
Magnesium ppm ASTM D5185m 6 4 Calcium ppm ASTM D5185m 1326 446 Phosphorus ppm ASTM D5185m 779 640 Zinc ppm ASTM D5185m 904 805 Sulfur ppm ASTM D5185m 2710 2028 Acid Number (AN) mg KOH/g ASTM D8045 0.79 0.76		Manganese	ppm	ASTM D5185m		<1	<1	
Calcium ppm ASTM D5185m 1326 446 Phosphorus ppm ASTM D5185m 779 640 Zinc ppm ASTM D5185m 904 805 Sulfur ppm ASTM D5185m 2710 2028 Acid Number (AN) mg KOH/g ASTM D8045 0.79 0.76		Magnesium		ASTM D5185m		6	4	
Phosphorus ppm ASTM D5185m 779 640 Zinc ppm ASTM D5185m 904 805 Sulfur ppm ASTM D5185m 2710 2028 Acid Number (AN) mg KOH/g ASTM D8045 0.79 0.76		•				1326	446	
Zinc ppm ASTM D5185m 904 805 Sulfur ppm ASTM D5185m 2710 2028 Acid Number (AN) mg KOH/g ASTM D8045 0.79 0.76		Phosphorus		ASTM D5185m		779	640	
Sulfur ppm ASTM D5185m 2710 2028 Acid Number (AN) mg KOH/g ASTM D8045 0.79 0.76		•						
Acid Number (AN) mg KOH/g ASTM D8045 0.79 0.76		Sulfur	• •					
		, ,		ASTM D445				





Certificate L2367

Laboratory Sample No.

: LEC0049333 Lab Number : 06227316

Unique Number: 11110809

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jul 2024 **Tested** : 06 Jul 2024

Diagnosed Test Package : CONST (Additional Tests: PQ)

: 06 Jul 2024 - Don Baldridge

US 26330 Contact: JESSE WILBURN jesseowilburn@gmail.com T: (740)440-0927

* - 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)

LANE PIPELINE

2946 E MAIN ST

BRIDGEPORT, WV