

OIL ANALYSIS REPORT

Sample Rating Trend





Area KANSAS/44/EG - EXCAVATOR 20.147L [KANSAS^44^EG - EXCAVATOR] Component Right Final Drive

TDTO FLUID SAE 30 (--- GAL)

DIAGNOSIS

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.

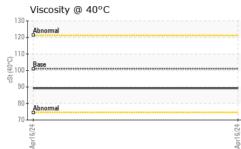
Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0821452		
Sample Date		Client Info		16 Apr 2024		
Machine Age	hrs	Client Info		10		
Oil Age	hrs	Client Info		10		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	13		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m	>15	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>75	<1		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	0		
Tin	ppm	ASTM D5185m	>8	<1		
Vanadium	ppm	ASTM D5185m	20	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	37	0		
Barium	ppm	ASTM D5185m	7	16		
Molybdenum	ppm	ASTM D5185m	5	0		
Manganese	ppm	ASTM D5185m	5	<1		
Magnesium		ASTM D5185m	40	19		
Calcium	ppm		2650			
	ppm	ASTM D5185m		3438		
Phosphorus	ppm	ASTM D5185m	1050	905		
Zinc	ppm	ASTM D5185m	1075	1071		
Sulfur	ppm	ASTM D5185m	5750	10946		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	17		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	8		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
:48:46) Rev: 1					Submitted By: JA	SON GORGES



OIL ANALYSIS REPORT



FLUID PROPERTI	IES meti	hod limit/base	e current	history1	history2
Visc @ 40°C	cSt ASTM	D445 101	89.2		
SAMPLE IMAGES	met	hod limit/base	e current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image
GRAPHS					1
Ferrous Alloys					
Non-ferrous Metals		April6/24 April6/24			
		Apr1			
Viscosity @ 40°C		Apr16/24			
ratory : WearCheck USA - 501 ble No. : WC0821452 lumber : 06156336 Number : 10991759 Seckage : CONST	Madison Ave. Received Tested Diagnosed	, Cary, NC 27513 : 22 Apr 2024 : 23 Apr 2024 : 24 Apr 2024 - 5			JCTION CO IN WEST MAY S WICHITA, K US 6721



 Unique Number
 : 10991759
 Diagnosed
 : 24 Apr 2024 - Sean Felton

 Certificate 12367
 Test Package
 : CONST
 Cont

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

 * - 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)

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