OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION

NORMAL ABNORMAL NORMAL

Machine Id

TORO 04358 GM-3150-4 (S/N 403368496)

Hydraulic System

PX EXTENDED LIFE HYD FLUID (9 GAL)					.,		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.	Sample Number		Client Info		TR05992822		
	Sample Date		Client Info		16 Oct 2023		
	Machine Age	hrs	Client Info		1542		
	Oil Age	hrs	Client Info		1542		
	Filter Age	hrs	Client Info		1542		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				ABNORMAL		
WEAR	Iron	ppm	ASTM D5185m	>20	16		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	0		
	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	3		
	Lead	ppm	ASTM D5185m	>10	<1		
	Copper	ppm	ASTM D5185m	>75	15		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	3		
Moderate concentration of visible dirt/debris present in the oil.	Potassium	ppm	ASTM D5185m	>20	3		
	Water		WC Method	>0.1	NEG		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	▲ MODER		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		0		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		4		
	Calcium	ppm	ASTM D5185m		141		
	Phosphorus	ppm	ASTM D5185m		957		
	Zinc	ppm	ASTM D5185m		1174		
	Sulfur	ppm	ASTM D5185m		4956		
	Acid Number (AN)	mg KOH/g	ASTM D8045		1.38		
	Visc @ 40°C	cSt	ASTM D445		46.1		

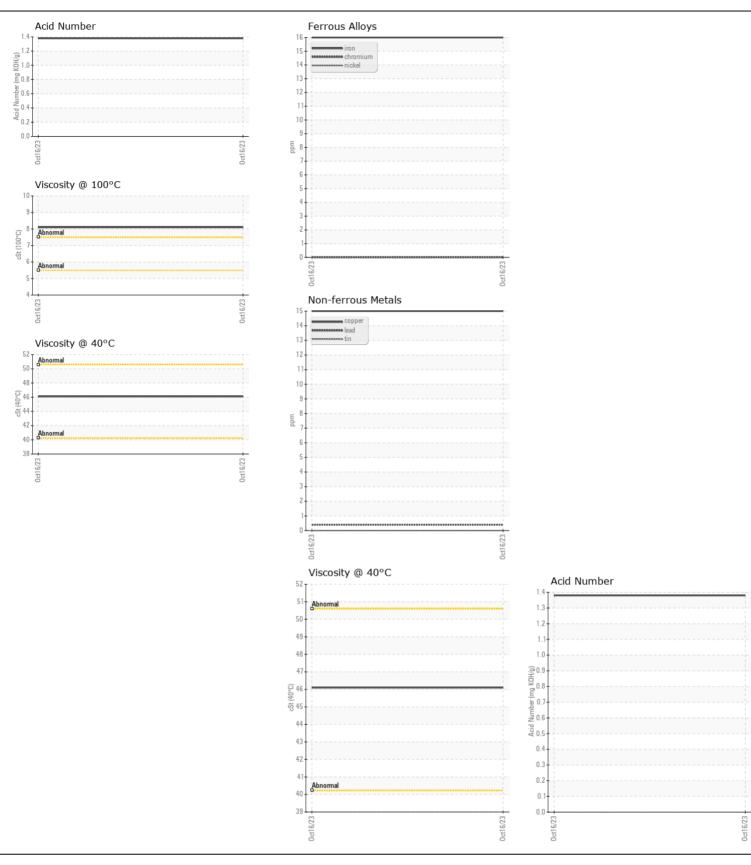
Visc @ 100°C cSt

Viscosity Index (VI) Scale ASTM D2270

ASTM D445

8.1

149







Certificate L2367

Report Id: KENDEN [WUSCAR] 05992822 (Generated: 06/21/2024 07:22:33) Rev: 1

Laboratory Sample No. Unique Number : 10715484

Lab Number : 05992822

: TR05992822

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

Tested Diagnosed

: 30 Oct 2023 : 31 Oct 2023

: 31 Oct 2023 - Don Baldridge

Test Package : MOB 2 (Additional Tests: KV100, VI)

To discuss this sample report, contact Customer Service at 1-800-827-0711. * - 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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