

# Store 8 - Pikeville [148906] **KLEEMANN MC100Ri K011.0035**

# Hydraulic System

## WIRTGEN GROUP HYDRAULIC OIL HVLP 46 (58 GAL)

#### RECOMMENDATION

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. 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. Resample in 30-45 days to monitor this situation.

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### WEAR

All component wear rates are normal.

#### CONTAMINATION

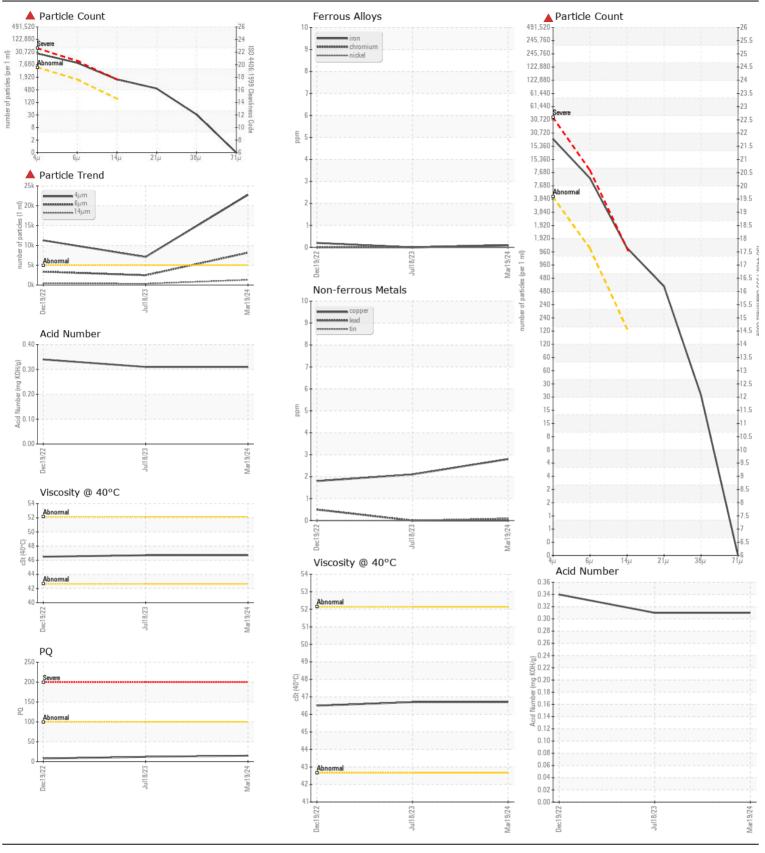
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There is a high amount of particulates (2 to 100 microns in size) present in the oil.

#### 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.

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Test	UOM	Method	Limit/Abn		irrent	History1		istory2
Sample Number		Client Info			C0044173	LEC0042255		C0037795
Sample Date		Client Info			Mar 2024	18 Jul 2023		Dec 2022
Machine Age	hrs	Client Info		18		1401		56
Oil Age	hrs	Client Info		18	96	1401		56
Filter Age	hrs	Client Info		0		645	0	
Oil Changed		Client Info			t Changd	Not Changd		ot Changd
Filter Changed		Client Info			anged	Changed		hanged
Sample Status				SE	VERE	ABNORMAL	Al	BNORMAL
PQ		ASTM D8184			15	12		8
Iron	ppm	ASTM D5185m	>20		<1	0		<1
Chromium	ppm	ASTM D5185m	>10		<1	0		0
Nickel	ppm	ASTM D5185m	>10		0	0		0
Titanium	ppm	ASTM D5185m			0	<1		0
Silver	ppm	ASTM D5185m			0	0		0
Aluminum	ppm	ASTM D5185m	>10		0	<1		0
Lead	ppm	ASTM D5185m	>10		0	0		<1
Copper	ppm	ASTM D5185m	>75		3	2		2
Tin	ppm	ASTM D5185m	>10		<1	0		0
Vanadium	ppm	ASTM D5185m			0	<1		0
White Metal	scalar	*Visual	NONE		NONE	NONE		NONE
Yellow Metal	scalar	*Visual	NONE		NONE	NONE		NONE
Silicon	ppm	ASTM D5185m	>20		2	2		3
Potassium	ppm	ASTM D5185m	>20		0	0		<1
Water		WC Method	>0.1		NEG	NEG		NEG
Particles >4µm		ASTM D7647	>5000		22757	A 7075		11274
Particles >6µm		ASTM D7647	>1300		8150	A 2462		3371
Particles >14µm		ASTM D7647	>160		1315	▲ 342		441
Particles >21µm		ASTM D7647	>40		483	▲ 135		140
Particles >38µm		ASTM D7647			28	▲ 12		15
Particles >71µm		ASTM D7647	>3		0	<u>2</u>		1
Oil Cleanliness		ISO 4406 (c)			22/20/18	▲ 20/18/16		21/19/16
Silt	scalar	*Visual	NONE		NONE	NONE		NONE
Debris	scalar	*Visual	NONE		NONE	NONE		NONE
Sand/Dirt	scalar	*Visual	NONE		NONE	NONE		NONE
Appearance	scalar	*Visual	NORML		NORML	NORML		NORML
Odor	scalar	*Visual	NORML		NORML	NORML		NORML
Emulsified Water	scalar	*Visual	>0.1		NEG	NEG		NEG
Sodium	ppm	ASTM D5185m			<1	1		0
Boron	ppm	ASTM D5185m			0	0		0
Barium	ppm	ASTM D5185m			0	0		0
Molybdenum	ppm	ASTM D5185m			<1	0		0
Manganese	ppm	ASTM D5185m			<1	<1		0
Magnesium	ppm	ASTM D5185m			0	<1		0
Calcium	ppm	ASTM D5185m			33	37		35
Phosphorus	ppm	ASTM D5185m			262	274		276
Zinc	ppm	ASTM D5185m			346	350		351
Sulfur	ppm	ASTM D5185m			1019	1100		1132
Acid Number (AN)	mg KOH/g	ASTM D8045			0.31	0.31		0.34
Visc @ 40°C	cSt	ASTM D445			46.7	46.7		46.5
	501					10.1		10.0



LESLIE EQUIPMENT COMPANY Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 回說為 GR 🗖 105 TENNIS CENTER DR. Sample No. : LEC0044173 Received : 21 Mar 2024 Lab Number : 06124800 : 22 Mar 2024 MARIETTA, OH Tested Unique Number : 10938951 : 22 Mar 2024 - Wes Davis US 45750-9765 Diagnosed Test Package : CONST (Additional Tests: PQ) Contact: LEANNE KENDALL Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. KendalLeanne@lec1.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F: (740)373-5570 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: STORE 8 - PIKEVILLE - MICHELLE LITTLE

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