

## WEAR NORMAL CONTAMINATION ABNORMAL FLUID CONDITION NORMAL

#### Machine Id HYUNDAI L-14 Component Hydraulic System Fluid SAE 10W (50 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

# WEAR

All component wear rates are normal.

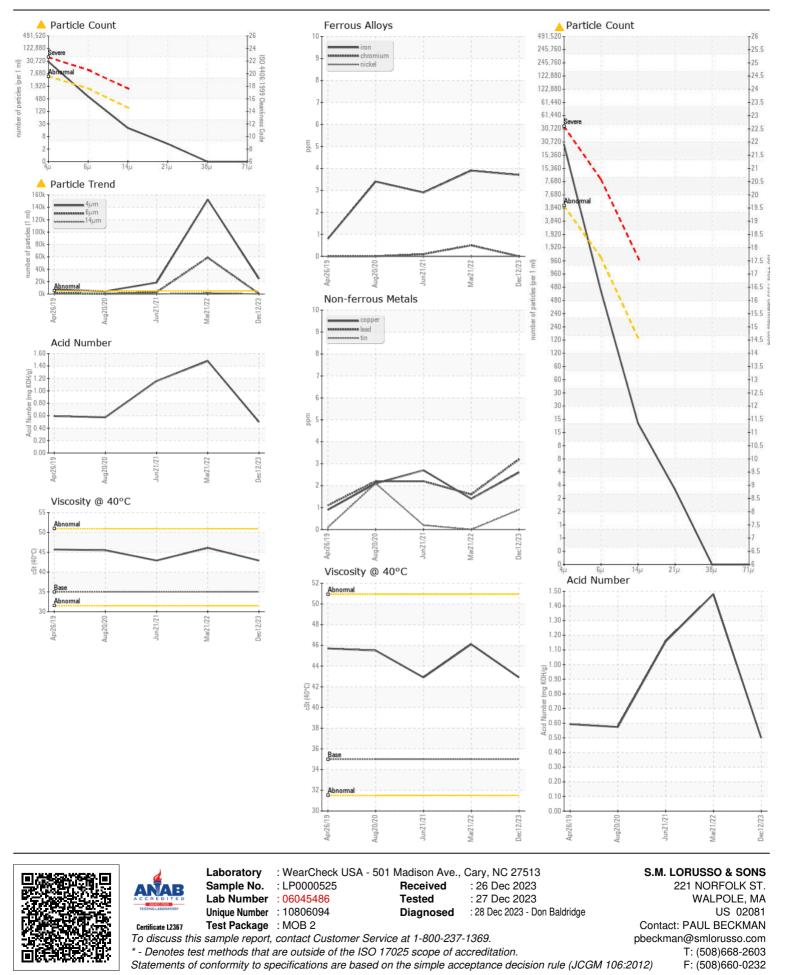
### CONTAMINATION

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 condition of the oil is suitable for further service.

Test	t	UOM	Method	Limit/Abn	Current	History1	History2
Sam	ple Number		Client Info		LP0000525	WC0570210	WC0542390
Sam	nple Date		Client Info		12 Dec 2023	21 Mar 2022	21 Jun 2021
Mac	hine Age	hrs	Client Info		9300	6160	4366
Oil A	Age	hrs	Client Info		2140	1794	1500
Filte	er Age	hrs	Client Info		2140	1794	1500
Oil (	Changed		Client Info		Changed	Not Changd	Changed
Filte	er Changed		Client Info		Changed	Changed	Changed
Sample Status					ABNORMAL	ABNORMAL	ABNORMAL
Iron		ppm	ASTM D5185m	>20	4	4	3
Chro	omium	ppm	ASTM D5185m	>10	0	<1	<1
Nick	kel	ppm	ASTM D5185m	>10	0	0	0
Titar	nium	ppm	ASTM D5185m		<1	<1	<1
Silve		ppm	ASTM D5185m		<1	<1	5
	ninum	ppm	ASTM D5185m	>10	4	3	2
Lead	d	ppm	ASTM D5185m	>10	3	2	2
Сор	per	ppm	ASTM D5185m	>75	3	1	3
Tin		ppm	ASTM D5185m	>10	<1	0	<1
	adium	ppm	ASTM D5185m		<1	0	0
	te Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yello	ow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
0:::-					0	0	Г.
Silic	-	ppm	ASTM D5185m	>20	8	9	5
	assium	ppm	ASTM D5185m	>20	<1 NEO	3	<1
Wate	-		WC Method	>0.1	NEG	NEG	NEG
	icles >4µm		ASTM D7647	>5000	A 24920	▲ 152560	▲ 18424
	icles >6µm		ASTM D7647	>1300	540 17	▲ 58832	2874
	icles >14µm		ASTM D7647	>160 >40		▲ 1553 ▲ 100	73
	icles >21µm		ASTM D7647	>40	3 0	▲ 132 3	17 0
	icles >38µm		ASTM D7647 ASTM D7647	>3	0	0	0
	icles >71µm Cleanliness		ISO 4406 (c)	>19/17/14	0 <u> 22/16/11</u>	4/23/18	A 21/19/13
Silt	JIEdillilless	scalar	*Visual	NONE	NONE	NONE	NONE
Deb	rio	scalar	*Visual	NONE	NONE	VLITE	NONE
	d/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	earance	scalar	*Visual	NORML	NORML	NORML	NORML
Odo		scalar	*Visual	NORML	NORML	NORML	NORML
	Isified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
		Jouran	Violal	20.1		NEG	NLO
Sod	ium	ppm	ASTM D5185m		3	0	2
Bord		ppm	ASTM D5185m		19	18	22
Bari	um	ppm	ASTM D5185m		0	0	0
Moly	ybdenum	ppm	ASTM D5185m		7	7	5
	iganese	ppm	ASTM D5185m		<1	<1	<1
Mag	nesium	ppm	ASTM D5185m		89	207	56
-	, cium	ppm	ASTM D5185m		2467	2547	2275
	sphorus	ppm	ASTM D5185m		962	1103	868
Zinc	;	ppm	ASTM D5185m		1080	1247	967
Sulf	ur	ppm	ASTM D5185m		3417	3344	2629
Acid	Number (AN)	mg KOH/g	ASTM D8045		0.50	1.48	1.157
	@ 40°C	cSt	ASTM D445	35.0	42.9	46.1	42.9
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