



**LUBRIPORT  
LABORATORIES  
INC.**

1650 AIRLINE DRIVE  
KENNER, LA 70062

(504) 464-1734

NEW ORLEANS PUBLIC  
BELT RAILROAD  
JOSH/BANJO

LOCO 4001  
COMPRESSOR

CP #073

SLIGHT INCREASE IN  
BOTH WEAR AND CON-  
TAMINATION LEVELS  
FOUND. NO IMMEDIATE  
ACTION REQUIRED.

FURTHER INCREASE IN  
WEAR AND CONTAMINA-  
TION FOUND. SERIOUS  
PROBLEM UNLIKELY.

OIL CHANGE MAY BE  
CONSIDERED. WET  
SLUDGE AND WATER  
DROPLETS VISIBLE IN  
CLOUDY, GREEN OIL.

SAMPLE IS CLEAN AND  
DRY. NORMAL WEAR  
DETECTED. NO COR-  
RECTIVE ACTION NEC-  
ESSARY.

NORMAL CONTAMINA-  
TION AND SLIGHT  
DECREASE IN MOST  
WEAR METALS FOUND.

INVOICE NO.	LL-63297	LL-63933	LL-64599	LL-65216	LL-65374
REPORT DATE:	SEPTEMBER 5, 2018	JANUARY 7, 2019	MAY 21, 2019	SEPTEMBER 18, 2019	OCTOBER 21, 2019
DATE SAMPLE REC'D:	AUGUST 7, 2018	DECEMBER 17, 2018	MAY 7, 2019	AUGUST 29, 2019	OCTOBER 1, 2019
PRODUCT	COMPRESSOR OIL	COMPRESSOR OIL	COMPRESSOR OIL	COMPRESSOR OIL	COMPRESSOR OIL
LAB NUMBER	8-289	12-483	5-265	8-968	10-6
DATE SAMPLED	6/19/18	12/12/18	3/13/19	6/10/19	9/11/19
VISC. SUS @ 100 F	492 SECS.	419 SECS.	408 SECS.	394 SECS.	355 SECS.
VISC. KIN @ 100 F	106.1 CST.	90.4 CST.	88.1 CST.	84.9 CST.	76.6 CST.
PENTANE INSOLUBLES	0.1%	0.1%	0.2%	NIL	TRACE
WATER BY DISTILLATION	0.05%	0.1%	0.2%	NIL	TRACE
METALS					
IRON	20	24	24	17.7	8.4
SILVER	0.0	0.0	0.1	0.0	0.0
ALUMINUM	0.0	0.2	0.9	0.3	0.6
CHROMIUM	0.1	0.6	1.3	0.8	1.3
COPPER	2.6	4.2	3.8	4.0	2.9
MAGNESIUM	1.6	1.0	4.0	4.2	3.4
SODIUM	1.5	1.2	3.4	1.7	0.9
NICKEL	0.3	0.5	1.5	0.6	0.5
LEAD	1.4	0.9	2.5	2.6	3.6
SILICON	4.7	4.3	5.1	5.3	4.1
TIN	0.0	0.9	0.2	0.0	1.4
TITANIUM	0.0	0.0	1.0	0.0	0.6
BORON	0.0	0.0	0.0	0.0	0.0
BARIUM	0.3	0.5	1.4	0.3	0.3
MOLYBDENUM	0.4	0.1	1.5	0.2	0.4
VANADIUM	0.0	0.1	0.0	0.2	0.1
ZINC	3.7	3.6	3.6	2.0	2.7
MANGANESE	0.0	0.0	0.0	0.0	0.2
CALCIUM	11.4	18.2	35	25	19.5
PHOSPHORUS	7.5	12.4	6.9	6.4	12.1

*Joseph F. Johnson*