

NEW ORLEANS PUBLIC BELT RAILROAD JOSH/BANJO

LOCO 4ØØ3 ENGINE

CP #Ø68

LUBRIPORT LABORATORIES INC.  1650 AIRLINE DRIVE KENNER, LA 70062  (504) 464-1734	BASE NUMBER IN- CREASED WITH HIGHER CONCENTRATION OF CALCIUM. MOST WEAR LEVELS REDUCED. MUCH LOWER SODIUM FOUND. NO CORRECTIVE ACTION NECESSARY.	SERIOUS PROBLEM UNLIKELY. RESAMPLE AT NORMAL TIME.	CALCIUM CONCENTRA- TION AND BASE NUM- BER ARE REDUCED. NORMAL WEAR DETECT- ED. SERIOUS PROBLEM UNLIKELY.	CONDITION OF OIL IS RELATIVELY STABLE. NO CORRECTIVE ACTION NECESSARY.	SLIGHT DECREASE IN FUEL DILUTION AND WEAR METALS FOUND. NO CORRECTIVE ACTION NECESSARY.
INVOICE NO.	LL-63297	LL-63933	LL-64328	LL-65216	LL-65932
REPORT DATE:	SEPTEMBER 5, 2018	JANUARY 7, 2019	MARCH 20, 2019	SEPTEMBER 18, 2019	FEBRUARY 24, 2020
DATE SAMPLE REC'D:	AUGUST 7, 2018	DECEMBER 17, 2018	MARCH 11, 2019	AUGUST 29, 2019	FEBRUARY 10, 2020
PRODUCT	LUBE OIL	LUBE OIL	LUBE OIL	LUBE OIL	LUBE OIL
LAB NUMBER	8-290	12-484	3-212	8-971	2-26Ø
DATE SAMPLED	7/16/18	10/15/18	2/18/19	5/21/19	11/20/19
VISC. SUS @ 210 F	73.9 SECS.	74.3 SECS.	74.7 SECS.	72.6 SECS.	79.1 SECS.
VISC. KIN @ 210 F	13.95 CST.	14.07 CST.	14.17 CST.	13.63 CST.	15.29 CST.
TBN (D2896)	8.4	8.3	8.1	8.1	8.1
PENTANE INSOLUBLES	Ø.Ø5%	Ø.1%	Ø.1%	Ø.1%	Ø.1%
WATER BY DIST.	Ø.1%	Ø.1%	Ø.1%	Ø.1%	Ø.Ø5%
SAE WEIGHT	40 WT.	40 WT.	40 WT.	40 WT.	40 WT.
DILUTION	1%	Ø.5%	Ø.5%	1%	NIL
	100				
METALS IRON	5.7	7.8	7.6	8.5	6.6
IN SILVER	Ø.Ø	Ø.Ø	Ø.Ø	Ø.Ø	Ø.Ø
PPM ALUMINUM	2.0	1.4	1.7	2.2	2.0
CHROMIUM	Ø.7	Ø.9	1.0	1.7	1.5
COPPER	2.1	1.7	2.6	4.4	3.1
MAGNESIUM	12.9	12.7	13.4	18.0	20
SODIUM	34	17.3	18.0	15.7	8.7
NICKEL	1.6	Ø.2	1.0	Ø.7	Ø.7
LEAD	Ø.6	0.4	1.4	1.1	Ø.5
SILICON	5.3	8.4	10.1	10.8	10.7
TIN	Ø.Ø	Ø.Ø	Ø.Ø	Ø.Ø	Ø.Ø
TITANIUM	Ø.Ø	Ø.Ø	Ø.Ø	Ø.Ø	Ø.Ø 2.0
BORON	Ø.4	1.1	Ø.9	1.1	Ø.6
BARIUM	Ø.9	1.0	1.2	1.0	Ø.5
MOLYBDENUM	6.4	3.6	2.1	Ø.6	Ø.1
VANADIUM	Ø.Ø	Ø.1	Ø.1	Ø.2	0.0
ZINC	6.3	8.7	10.7	8.9	8.1
MANGANESE	Ø.Ø.	Ø.Ø	Ø.Ø	Ø.Ø	Ø.Ø
CALCIUM	3278	3418	298Ø	2928	2865
PHOSPHORUS	21	22	24	9.0	8.3